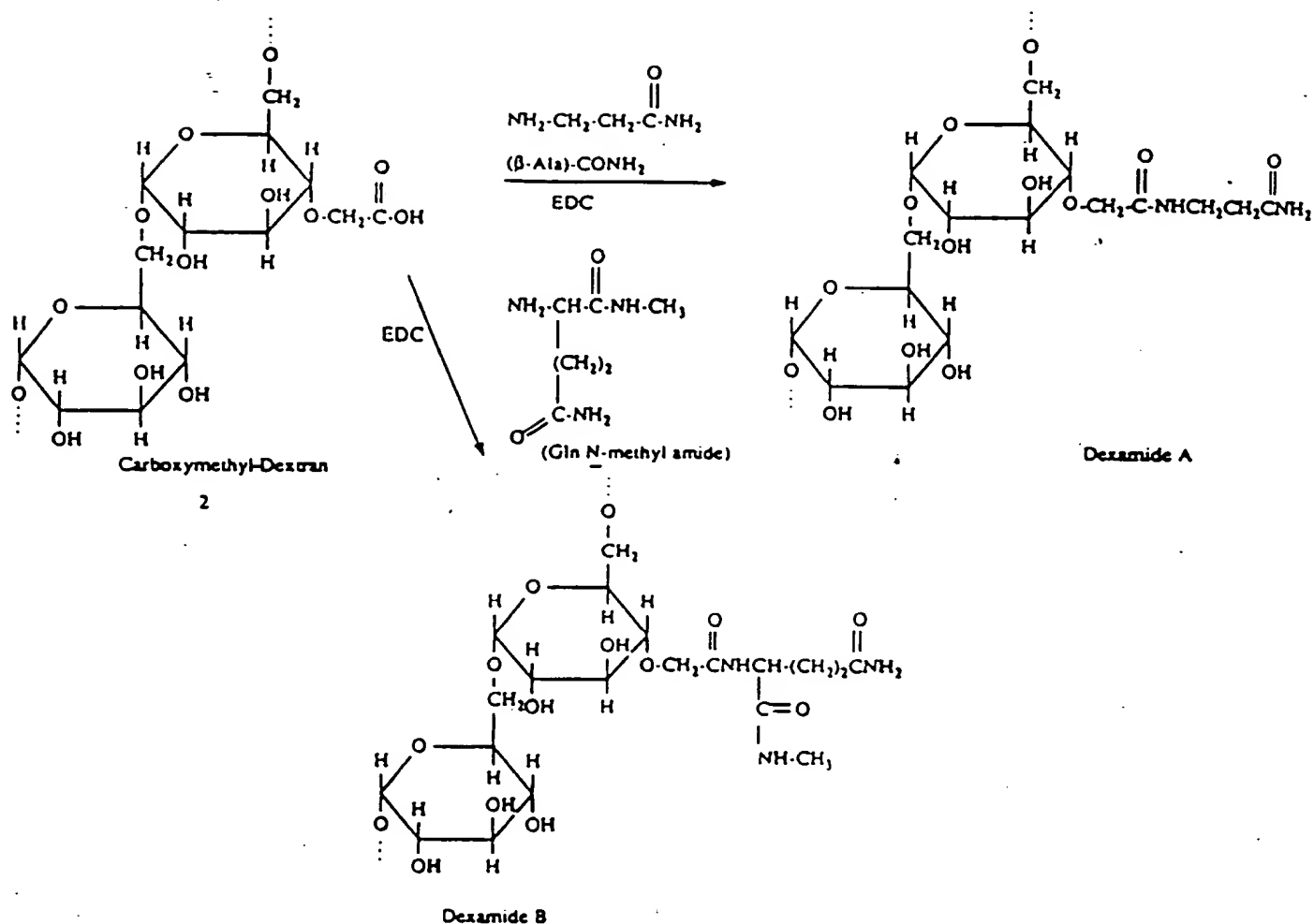


Figure 1



Then:

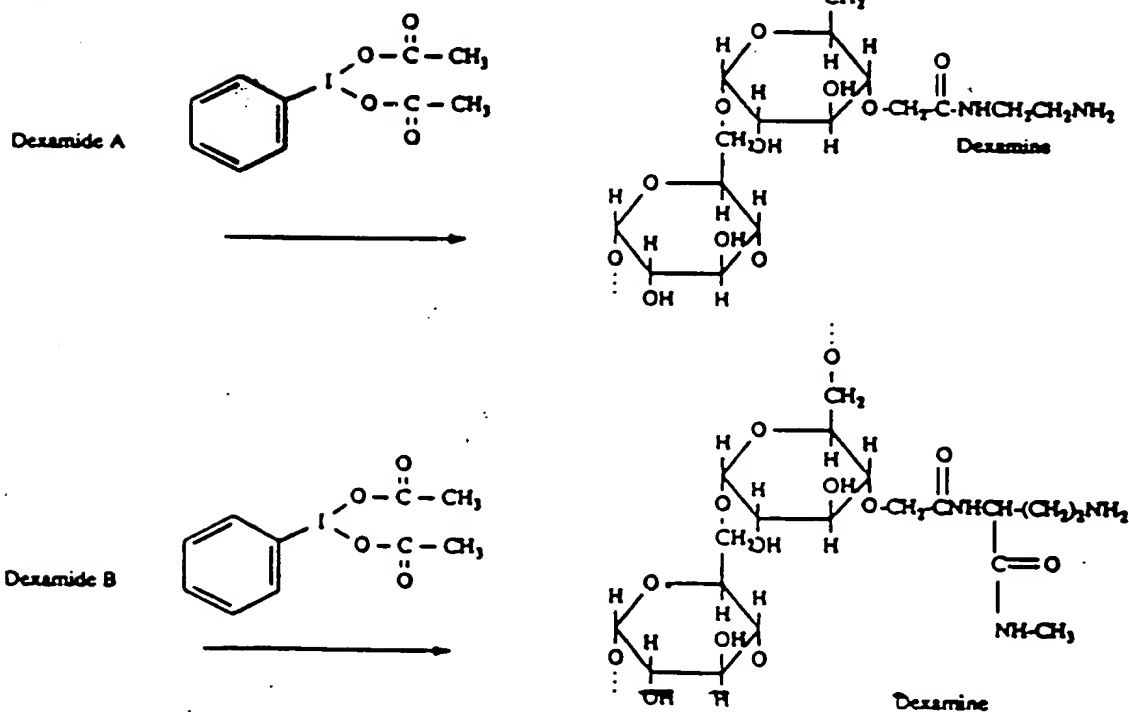


Figure 2

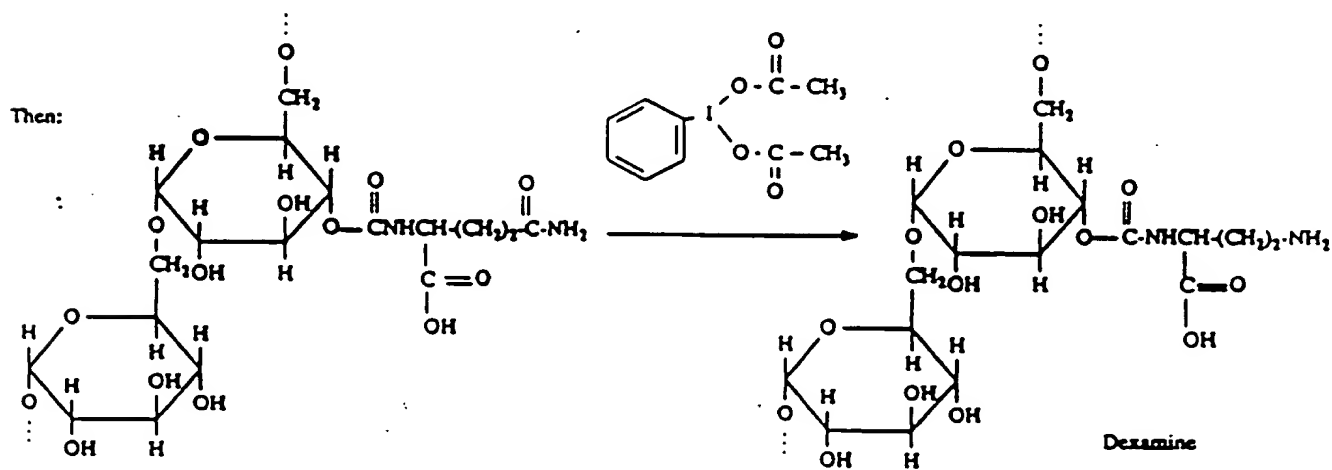
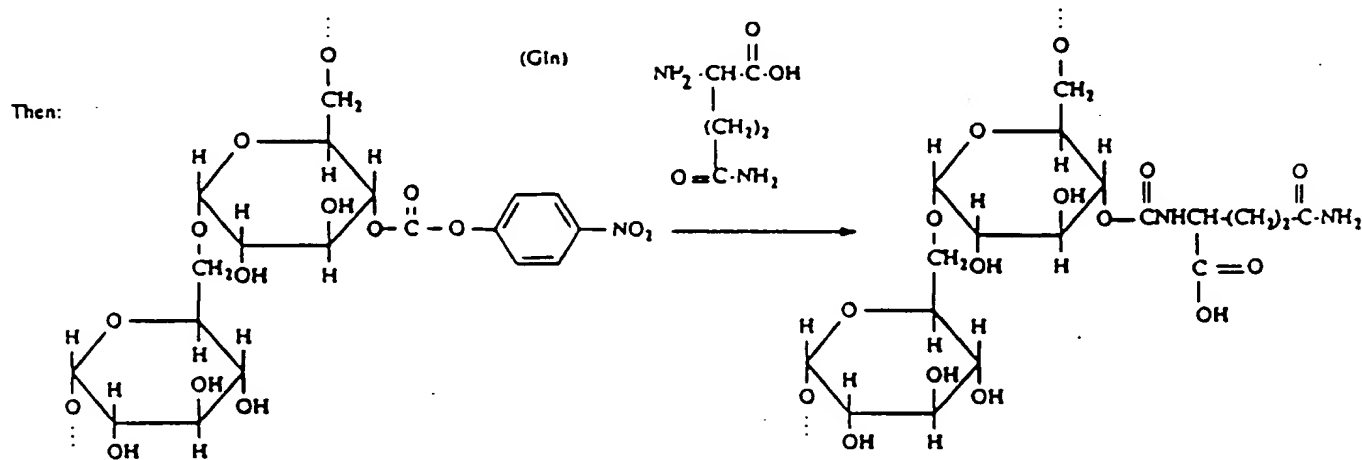
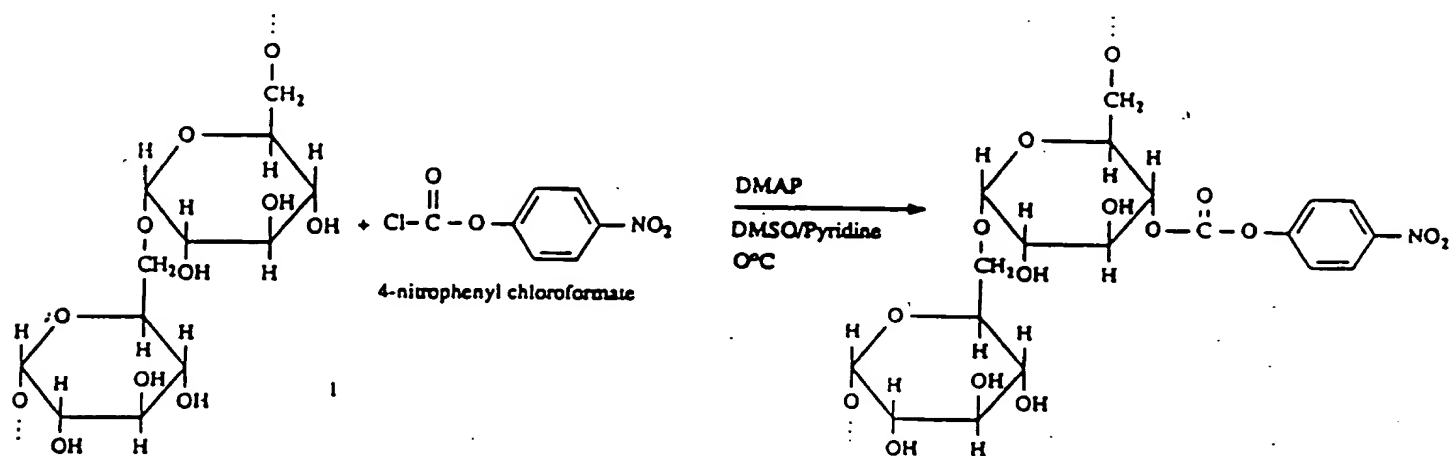


Figure 3

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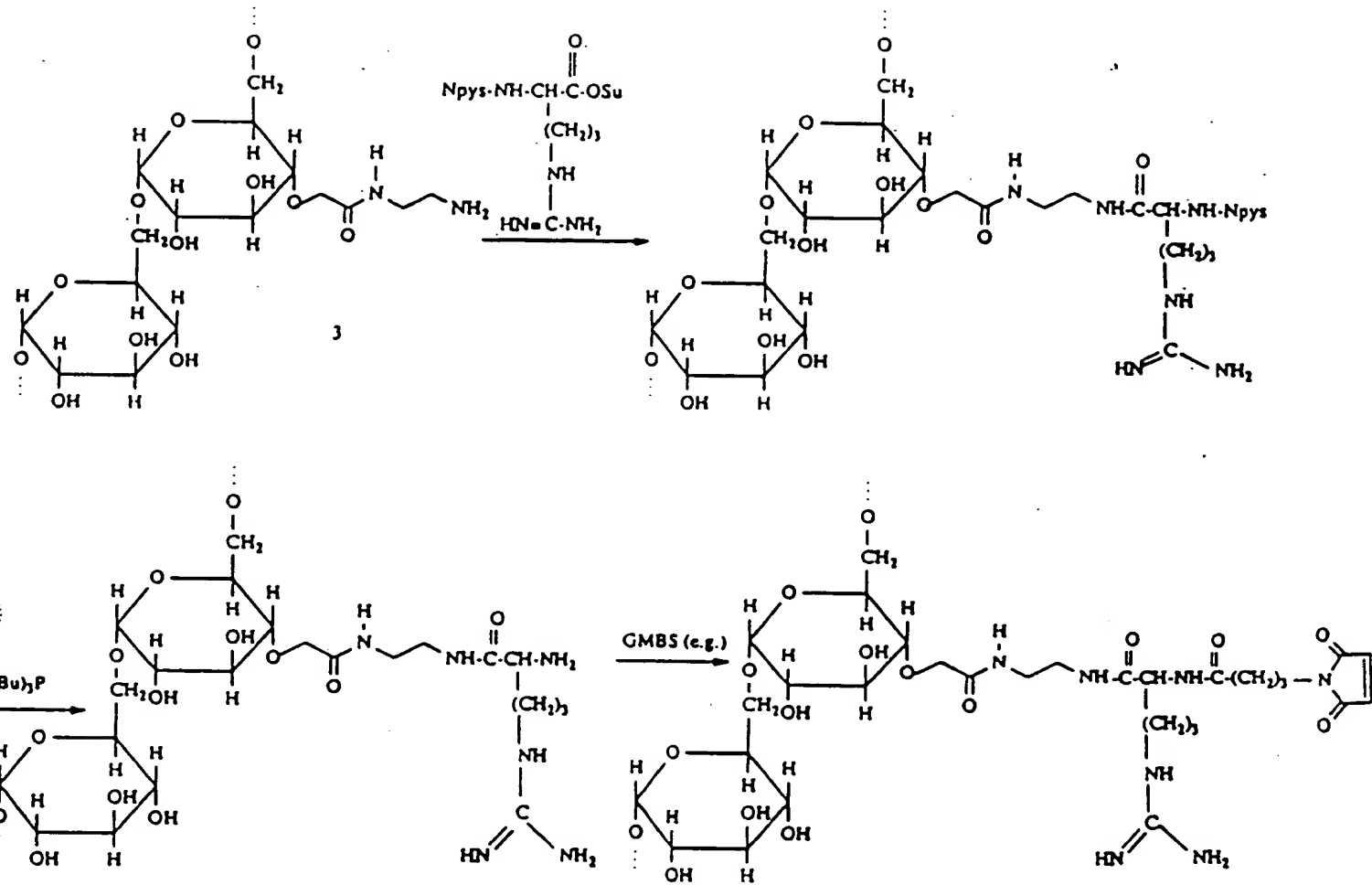


Figure 4

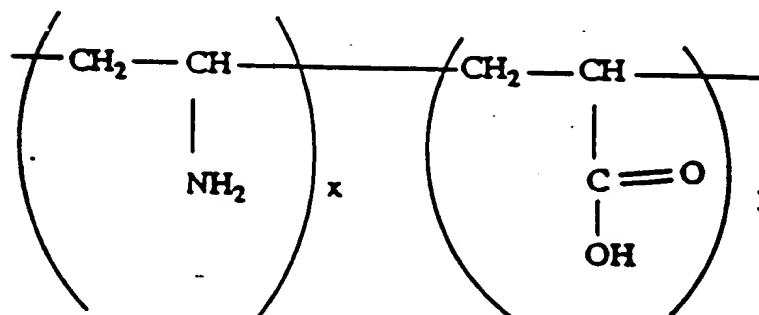
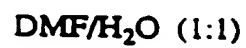
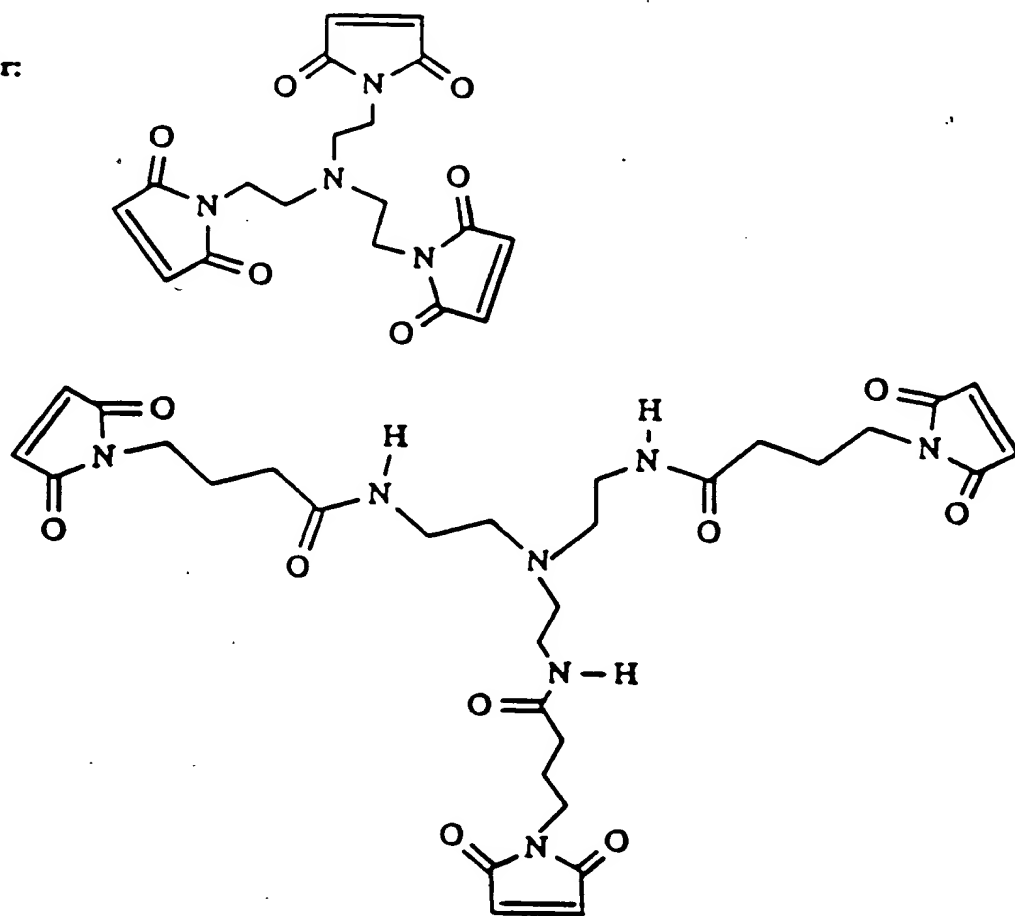
$$\left(\text{CH}_2 - \underset{\begin{array}{c} | \\ \text{C} = \text{O} \\ | \\ \text{NH}_2 \end{array}}{\text{CH}} \right)_x \quad \left(\text{CH}_2 - \underset{\begin{array}{c} | \\ \text{C} = \text{O} \\ | \\ \text{OH} \end{array}}{\text{CH}} \right)_y$$


Figure 5

0975770010901

Trimer:



Tetramer:

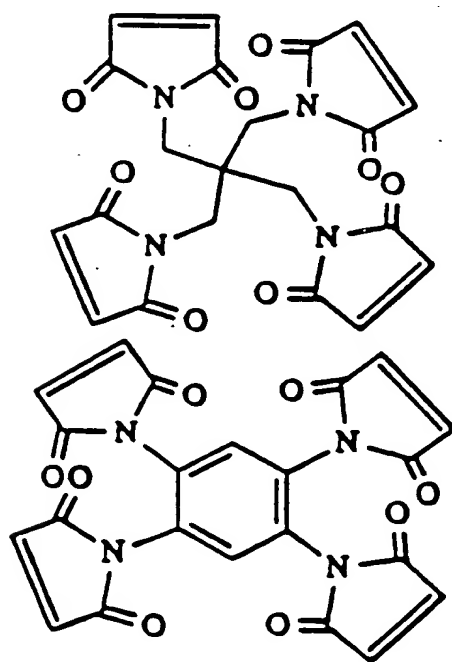


Figure 6

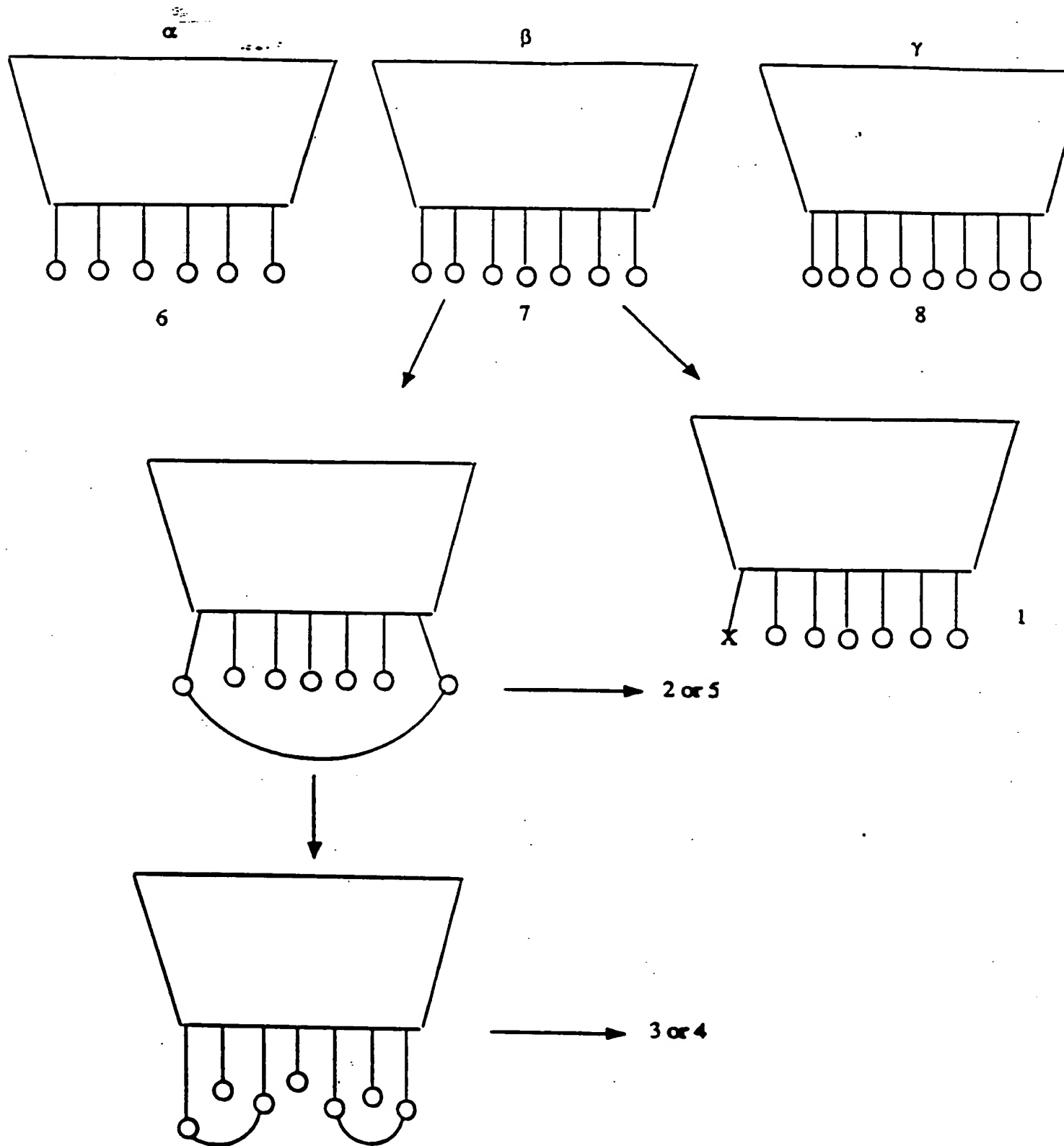


Figure 7

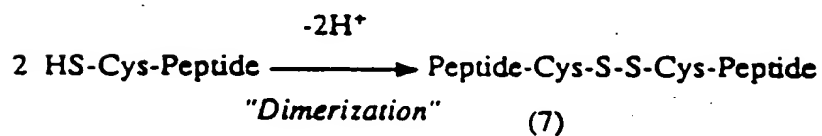
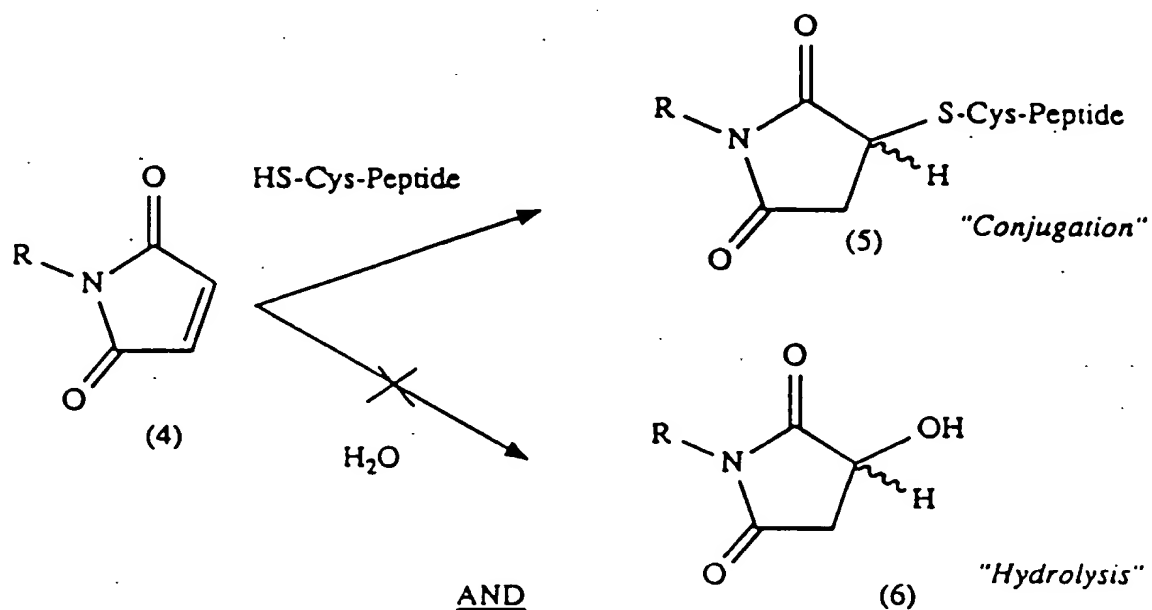


Figure 8

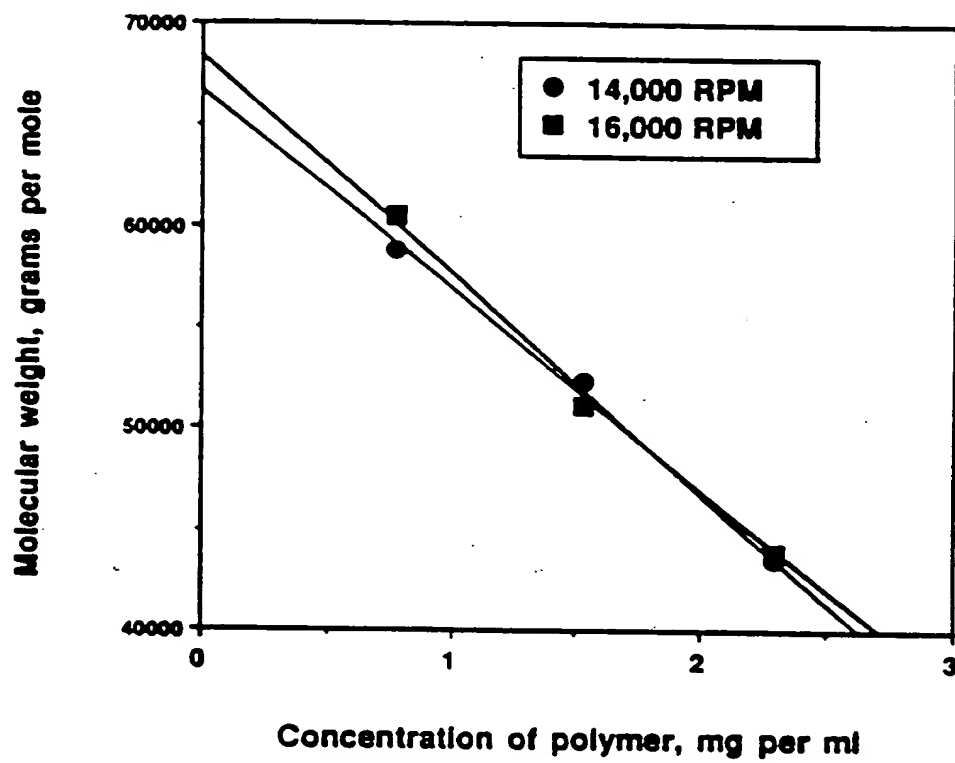
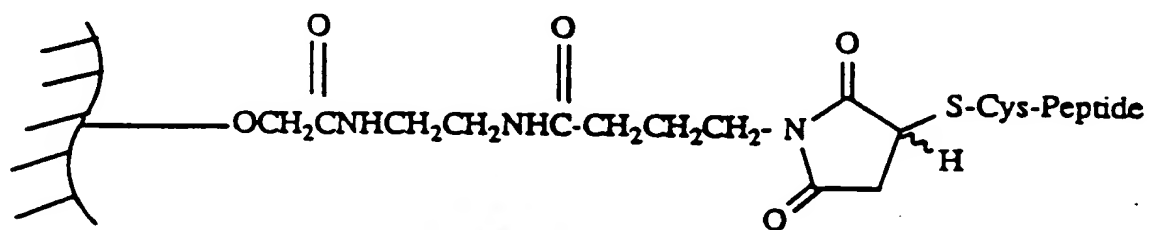
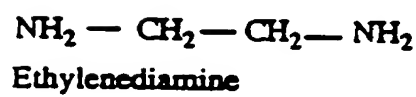


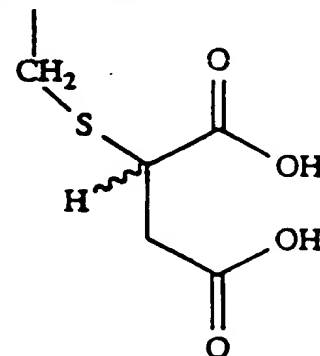
Figure 9



6 M HCl, 110°C, 24 hr., in vacuo



Peptide Amino
Acids



S-2-(2R,2S-succinyl)-L-Cysteine

Figure 10

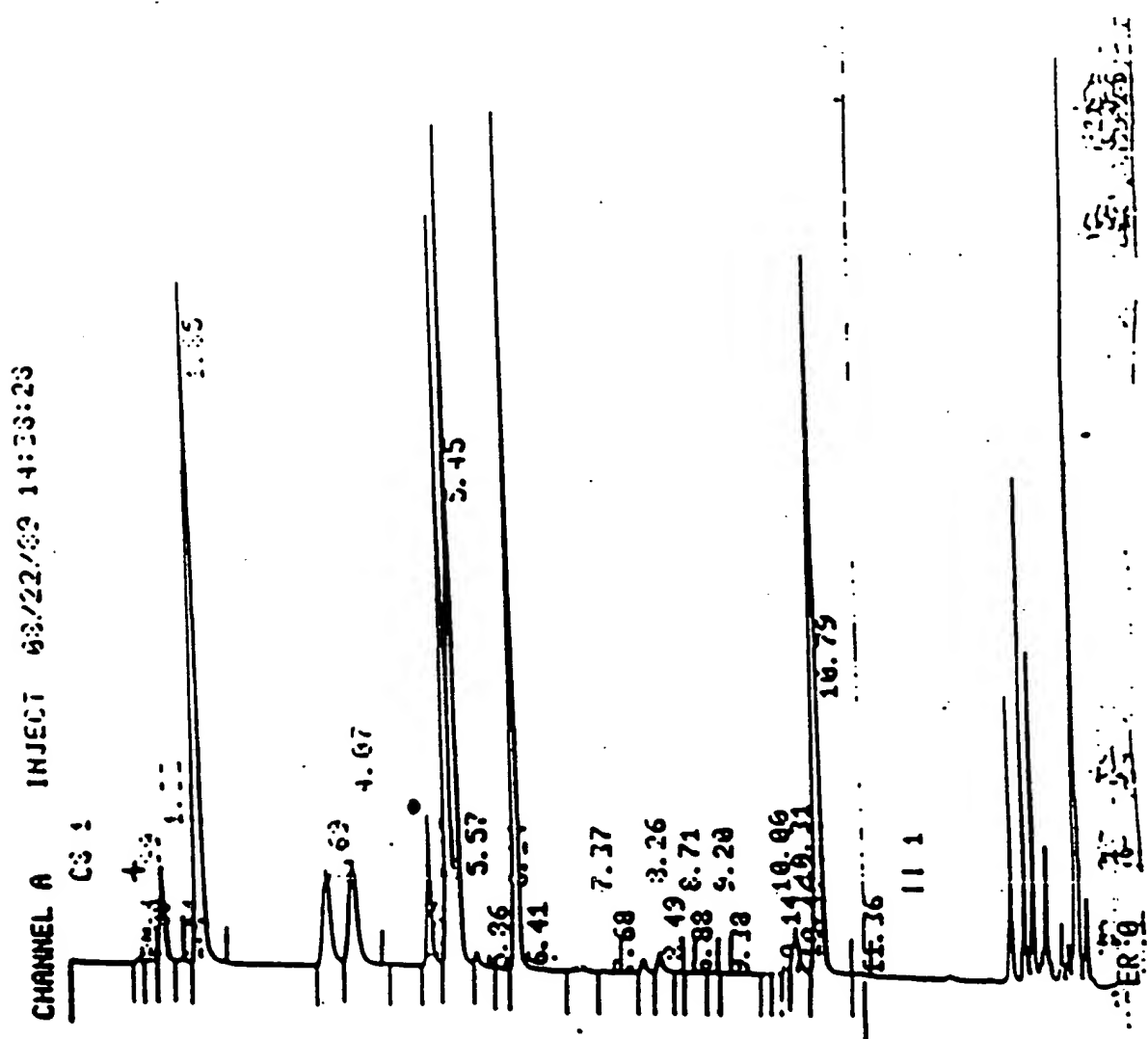


Figure 11

Conjugate Peptide Substitution Density Equation

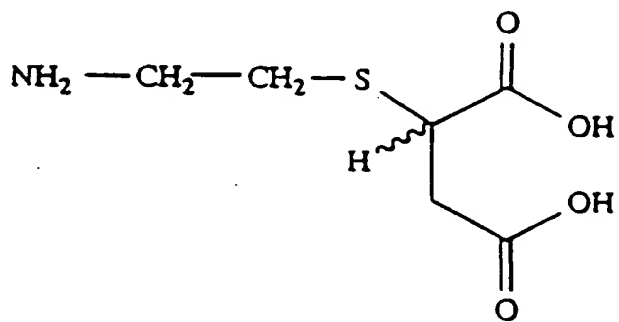
No molecules peptide/molecule dexamine

$$= \frac{\text{pmoles peptide via AAA}}{\text{pmoles Dexamine (=Backbone) via AAA}}$$

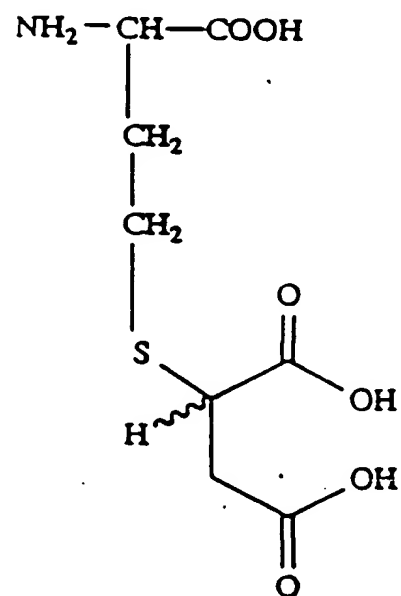
.....→ Non-covalently linked peptide increases numerator

.....→ Loss of Dexamine during:

- GMBS derivitization
 - G-25 column purification
 - Reaction mixture transfers
- decreases numerator



S-2-(2R,2S-succinyl)-cysteamine



S-2-(2R,2S-succinyl)-DL-homocysteine

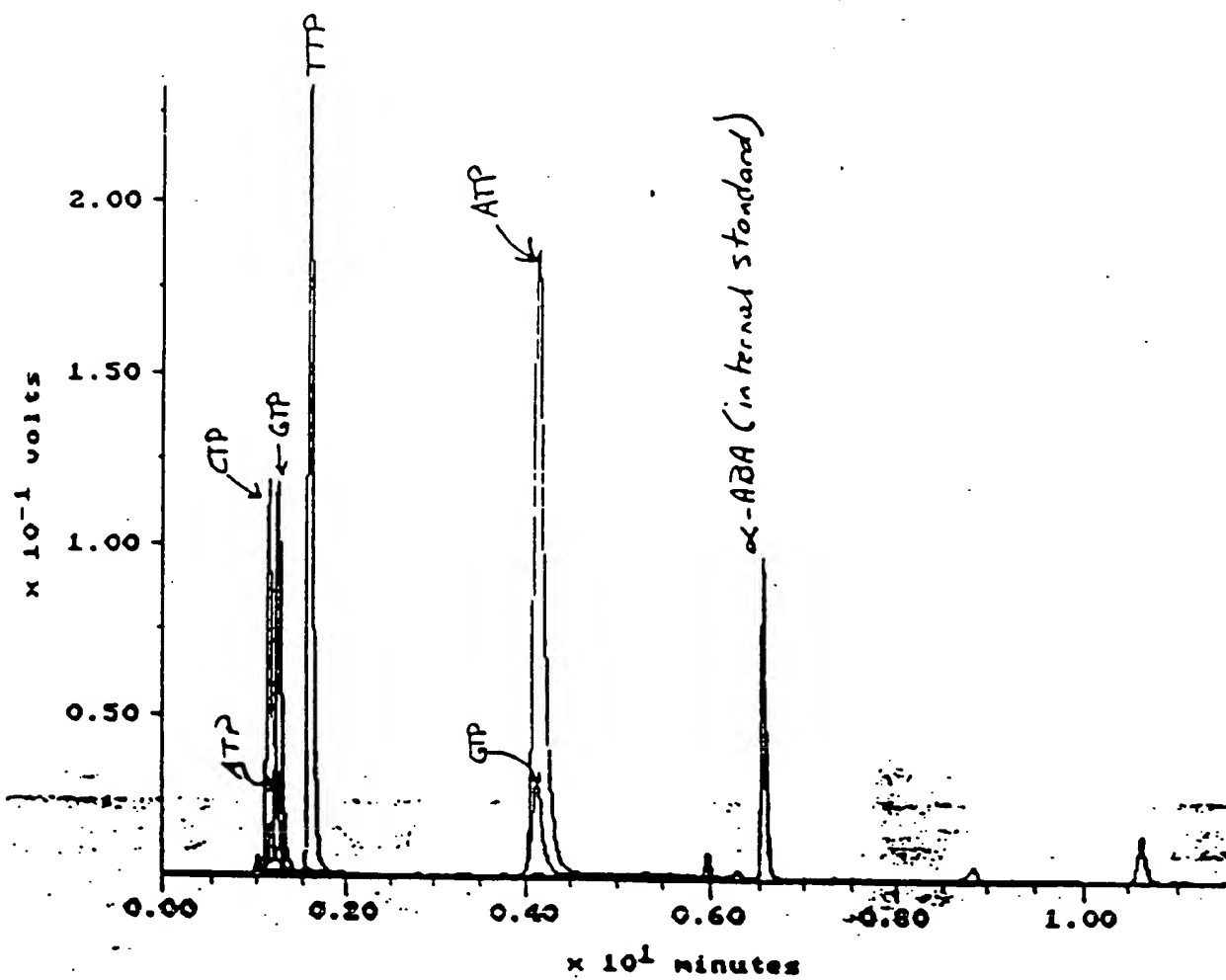


Figure 15

Fig 16

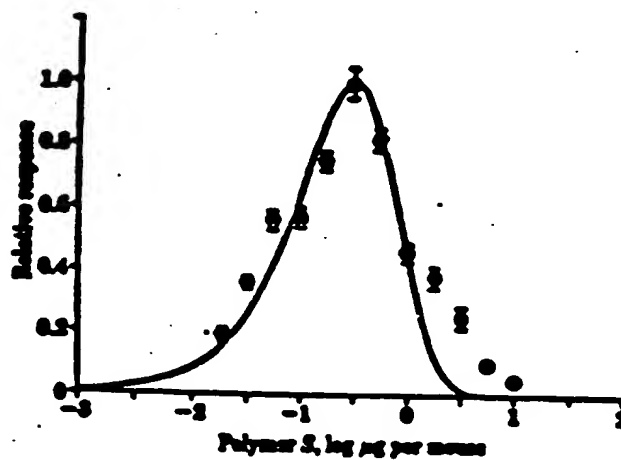


Fig. 17

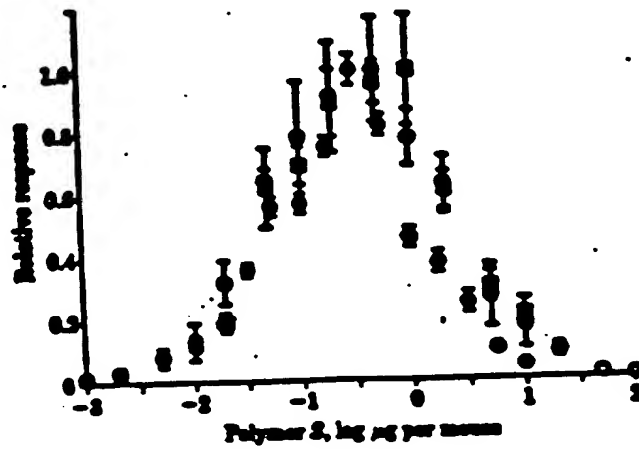


Fig. 18

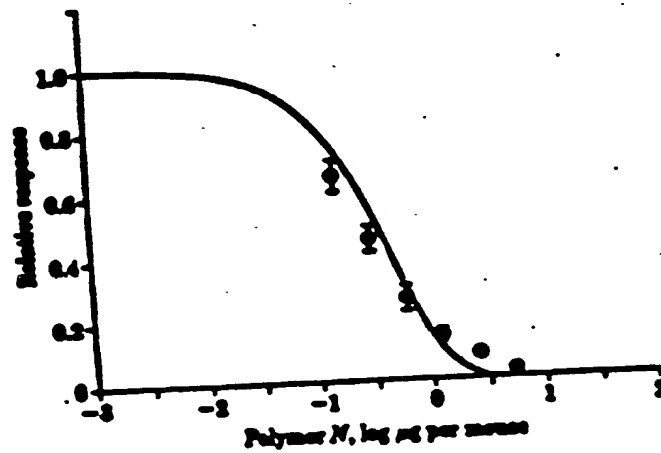


Fig. 19

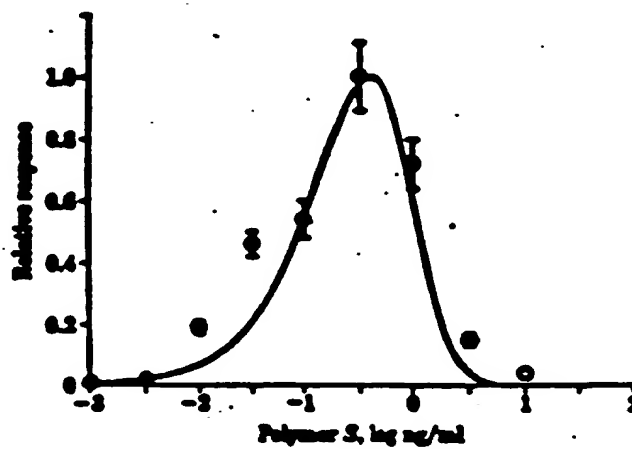


Fig. 20

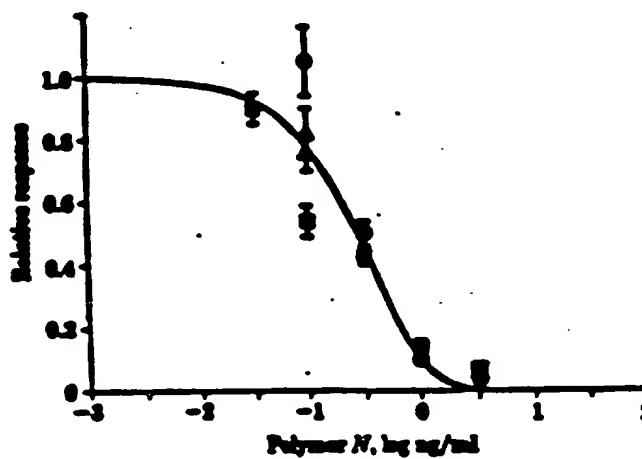


Figure 1 is a line graph showing the effect of FI-PVA concentration on the number of plaque-forming cells (PFC) per million spleen cells. The x-axis represents FI-PVA concentration in ng per ml on a logarithmic scale, with major ticks at 0.1, 1, and 10. The y-axis represents the number of PFC per million spleen cells, ranging from 0 to 100. Three data series are plotted: 3 day response (solid circles), 4 day response (open circles), and 5 day response (open squares). All three series show a peak in PFC at a concentration of 1 ng/ml. The 3 day response starts at approximately 68 at 0.1 ng/ml, peaks at 102 at 1 ng/ml, and then declines to about 14 at 10 ng/ml. The 4 day response starts at approximately 58 at 0.3 ng/ml, peaks at 98 at 1 ng/ml, and then declines to about 28 at 3 ng/ml. The 5 day response starts at approximately 28 at 0.3 ng/ml and declines steadily to about 10 at 3 ng/ml.

FI-PVA concentration (ng per ml)	3 day response (PFC per million spleen cells)	4 day response (PFC per million spleen cells)	5 day response (PFC per million spleen cells)
0.1	68	-	-
0.3	82	58	28
1.0	102	98	20
1.5	59	30	17
2.0	53	28	10
10.0	14	-	-

Figure 21

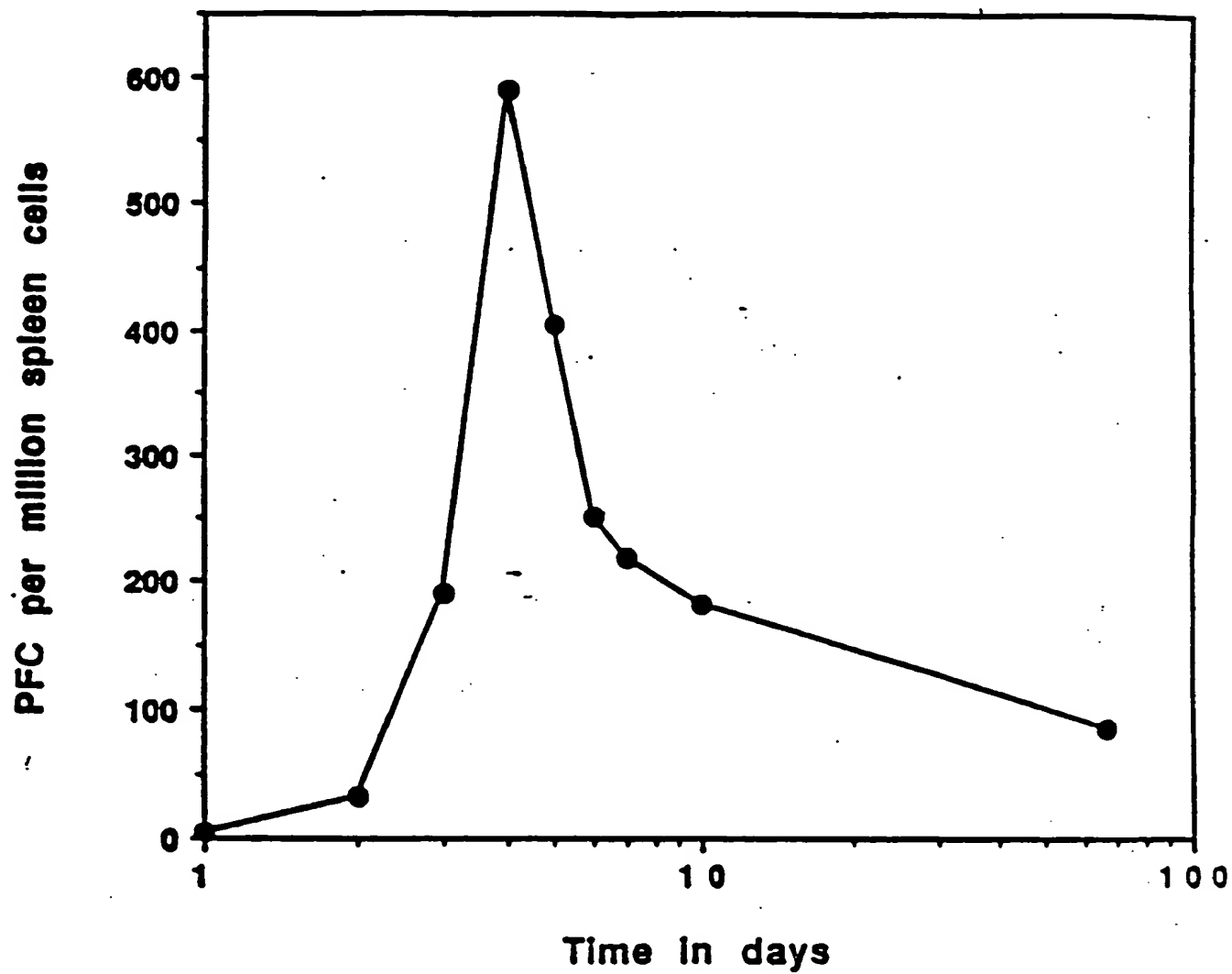


Figure 22

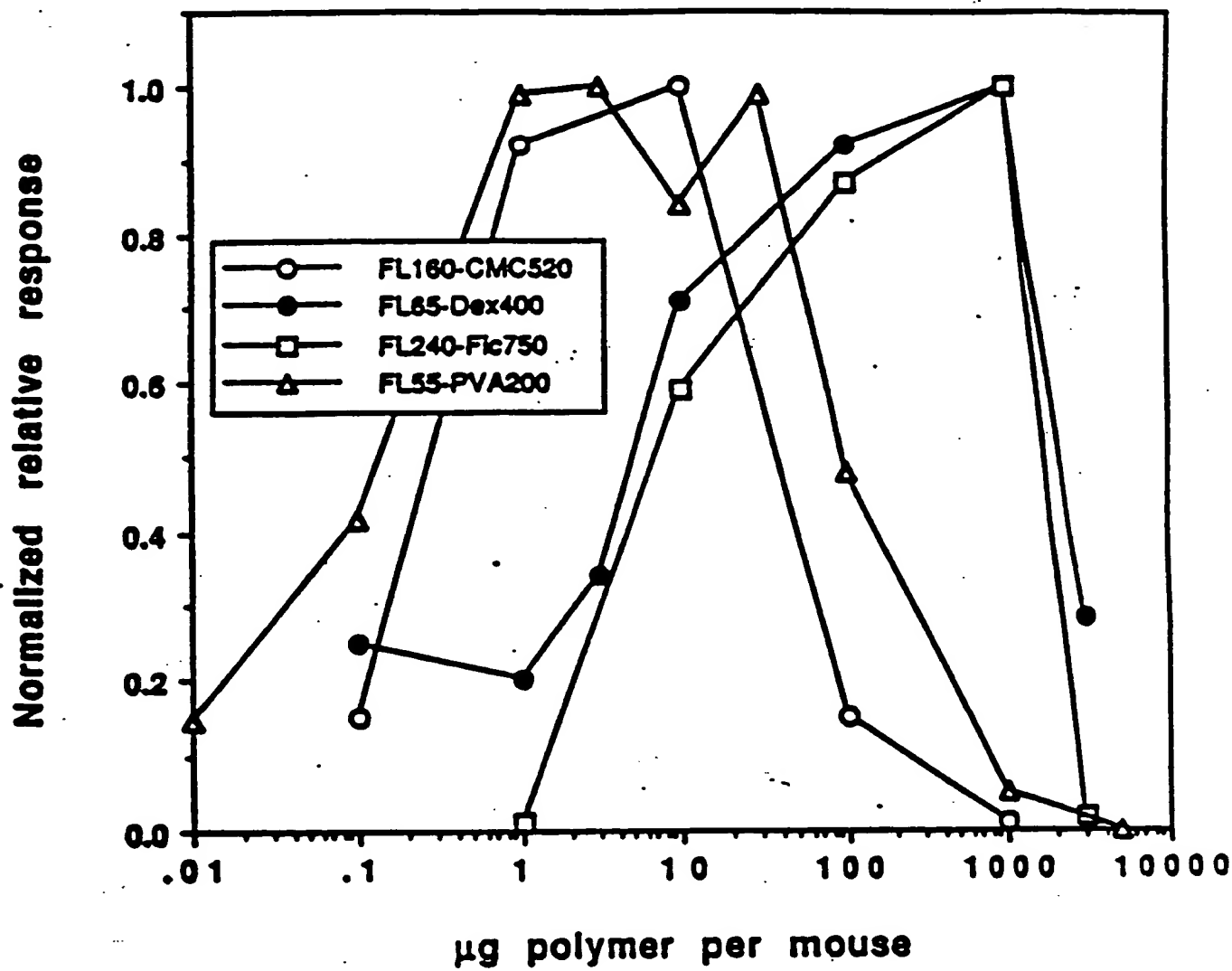


Figure 23

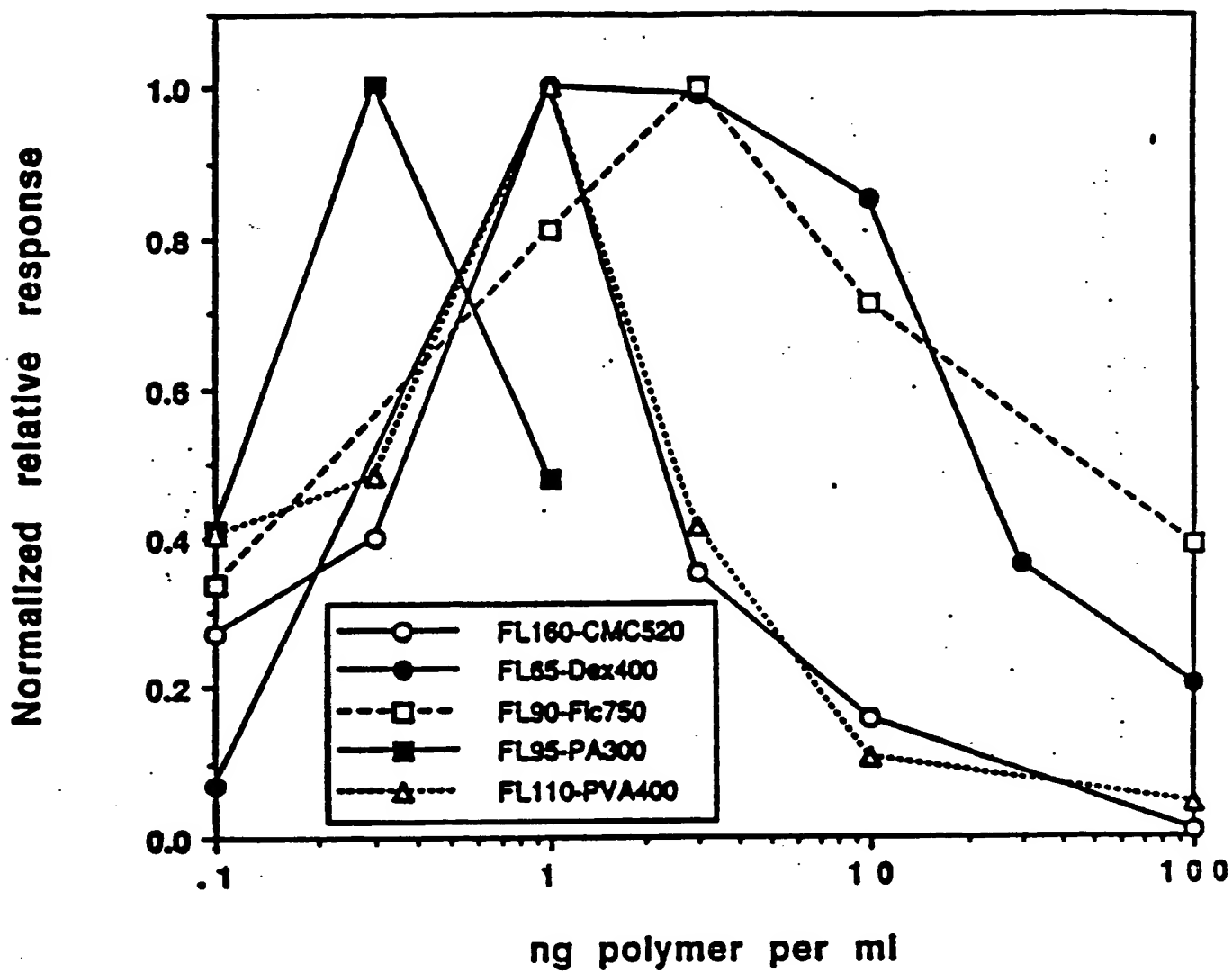


Figure 24

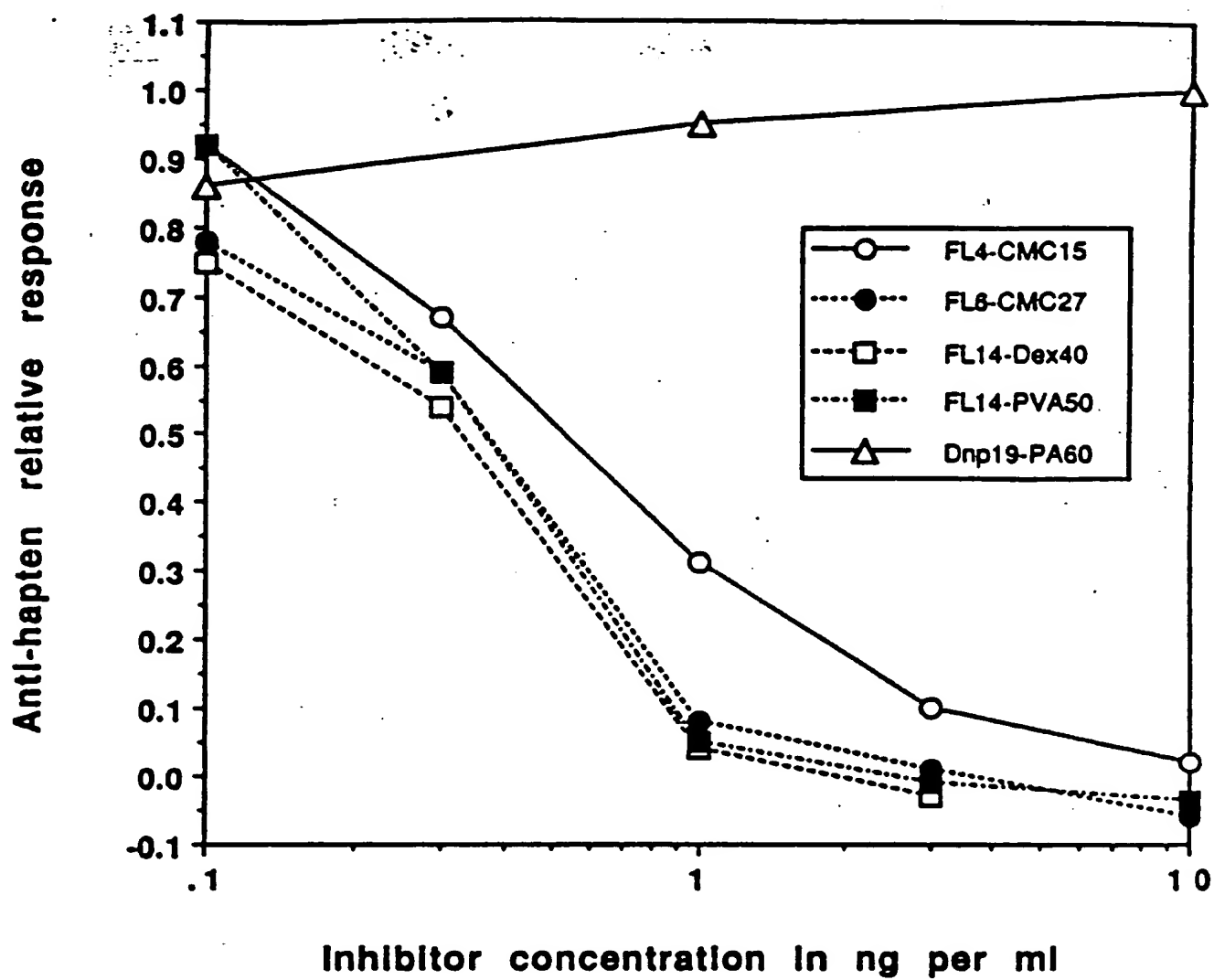


Figure 25

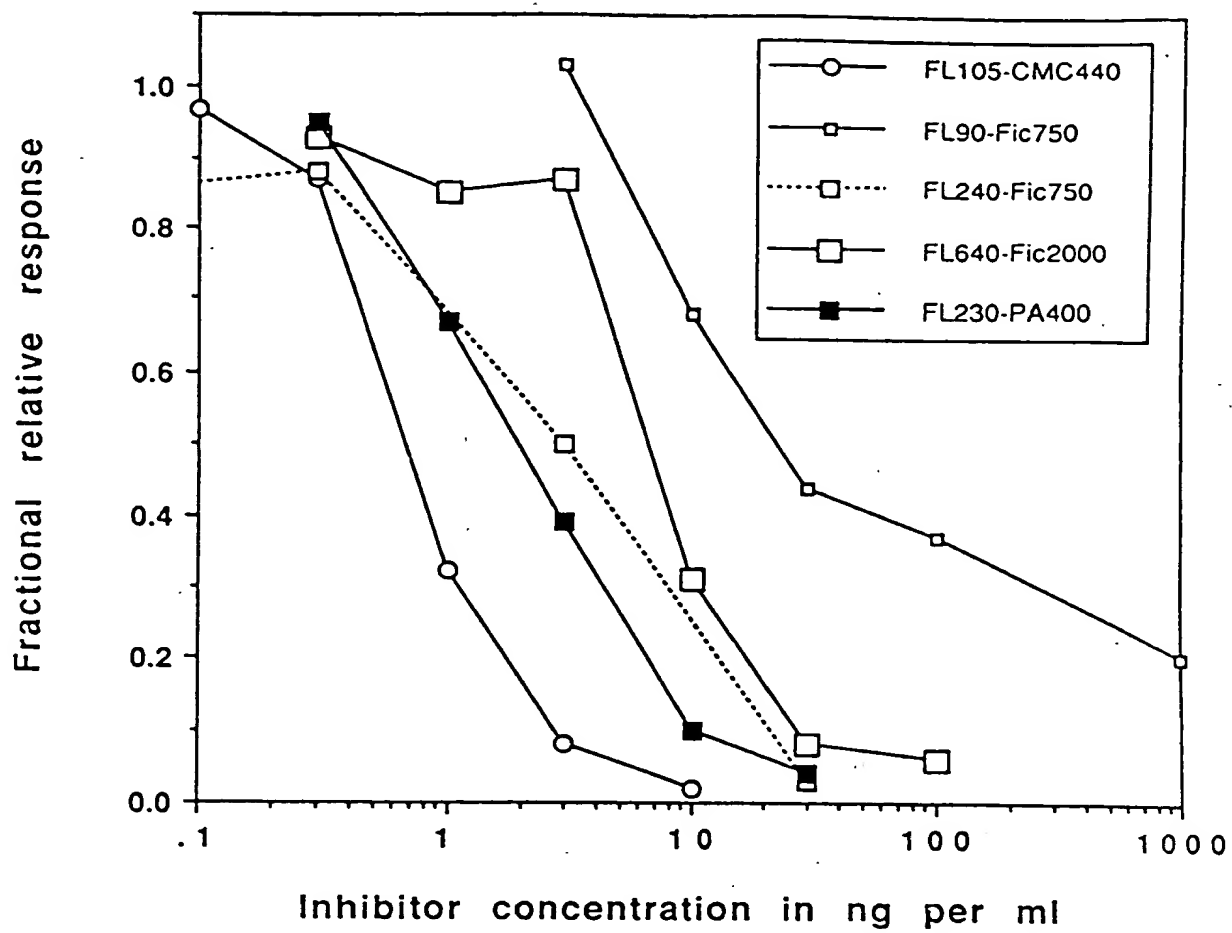


Figure 24

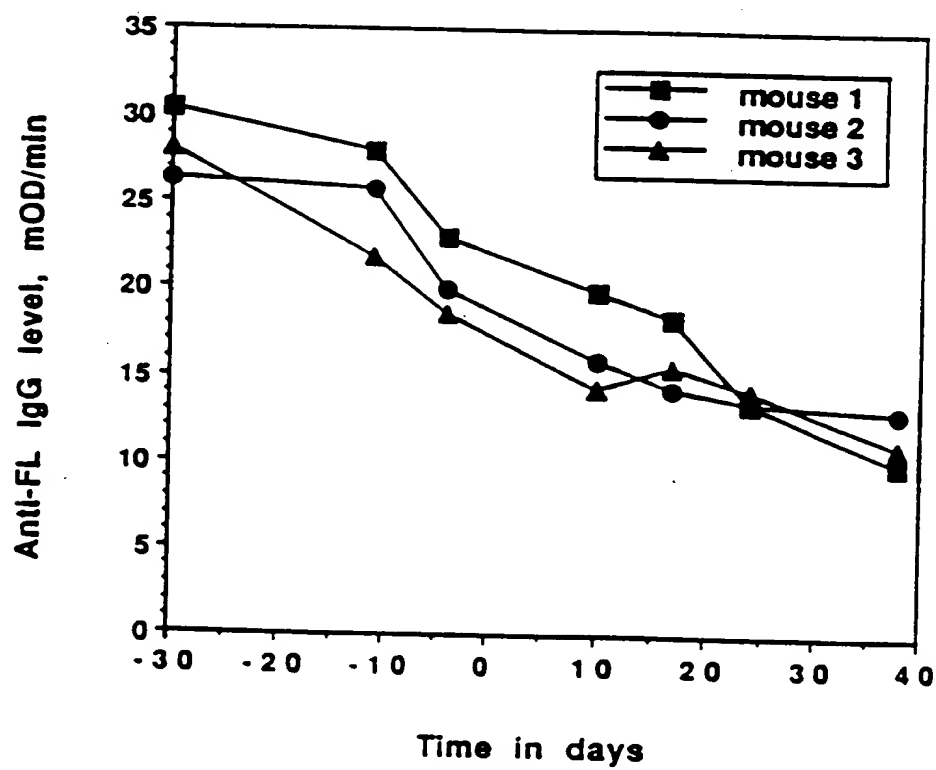


Figure 27

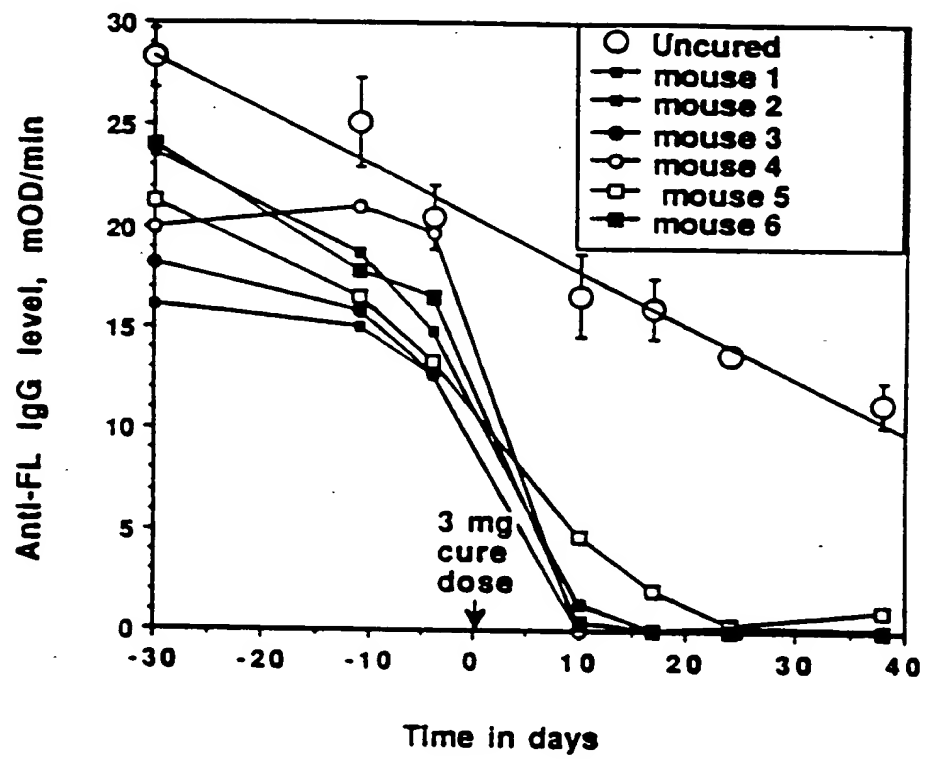


Figure 28

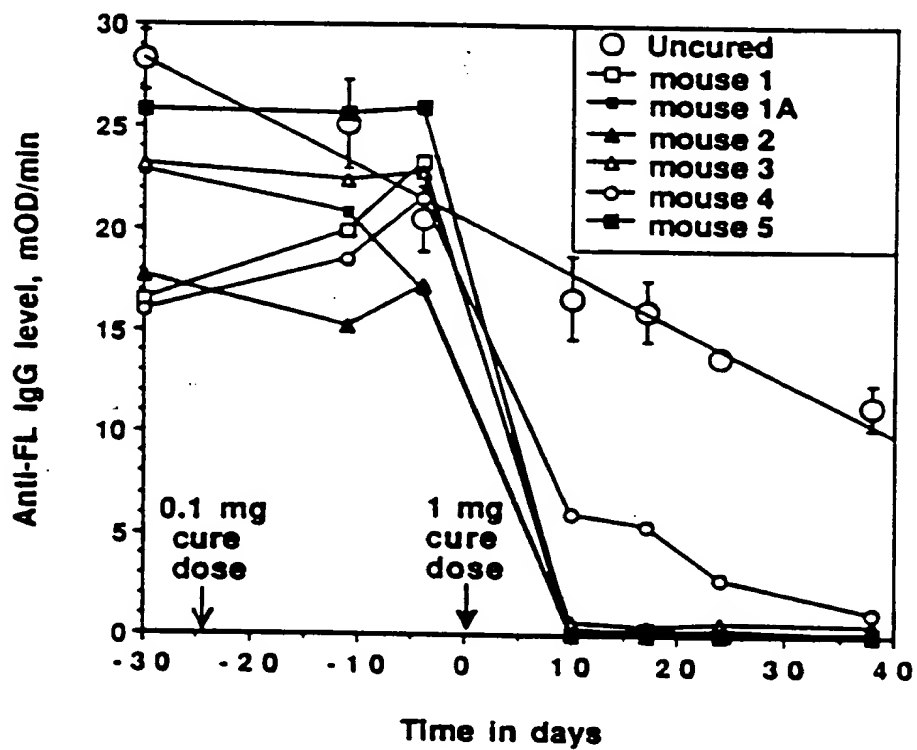


Figure 29

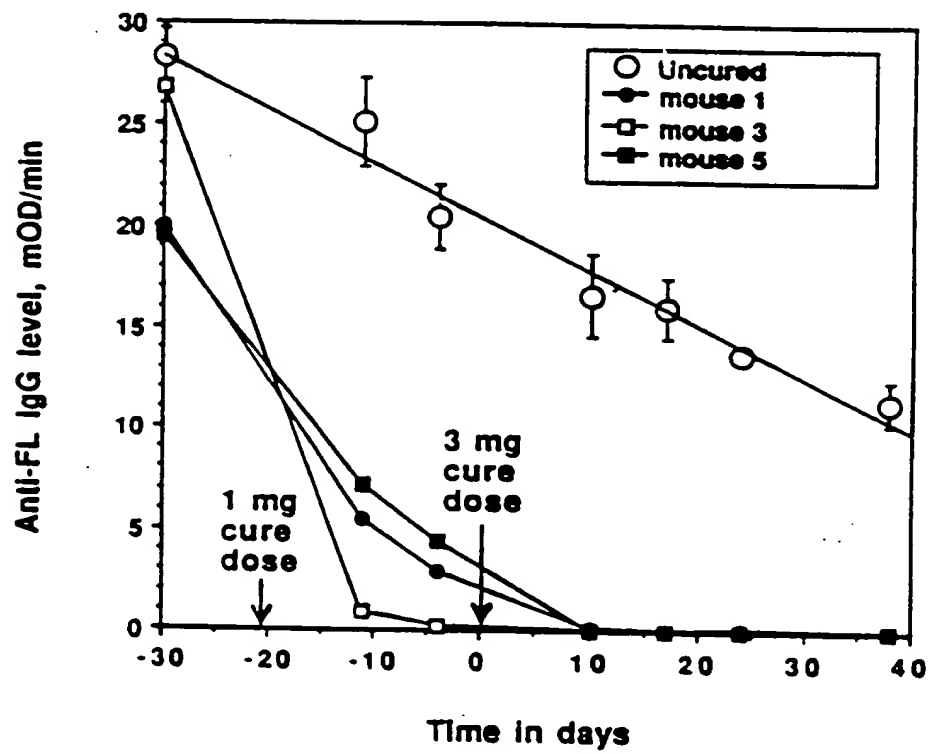


Figure 30

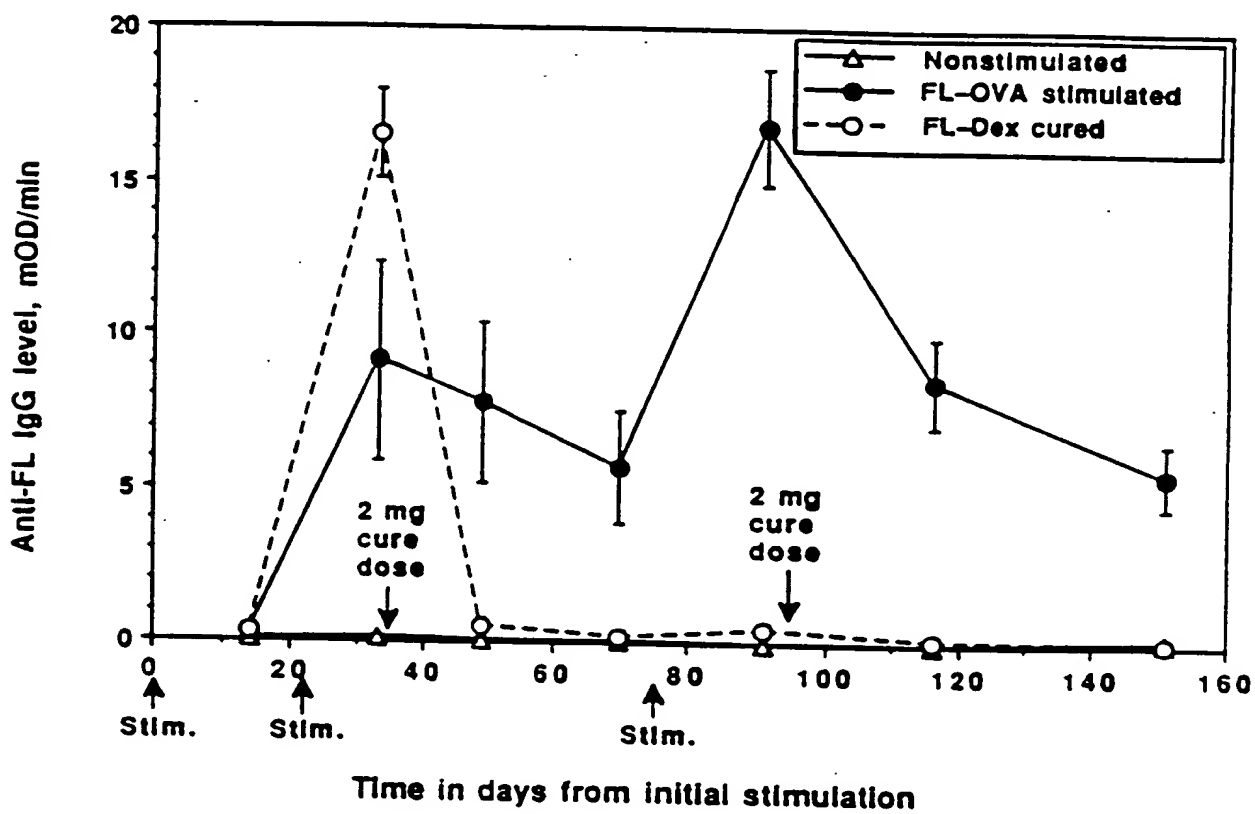


Figure 31

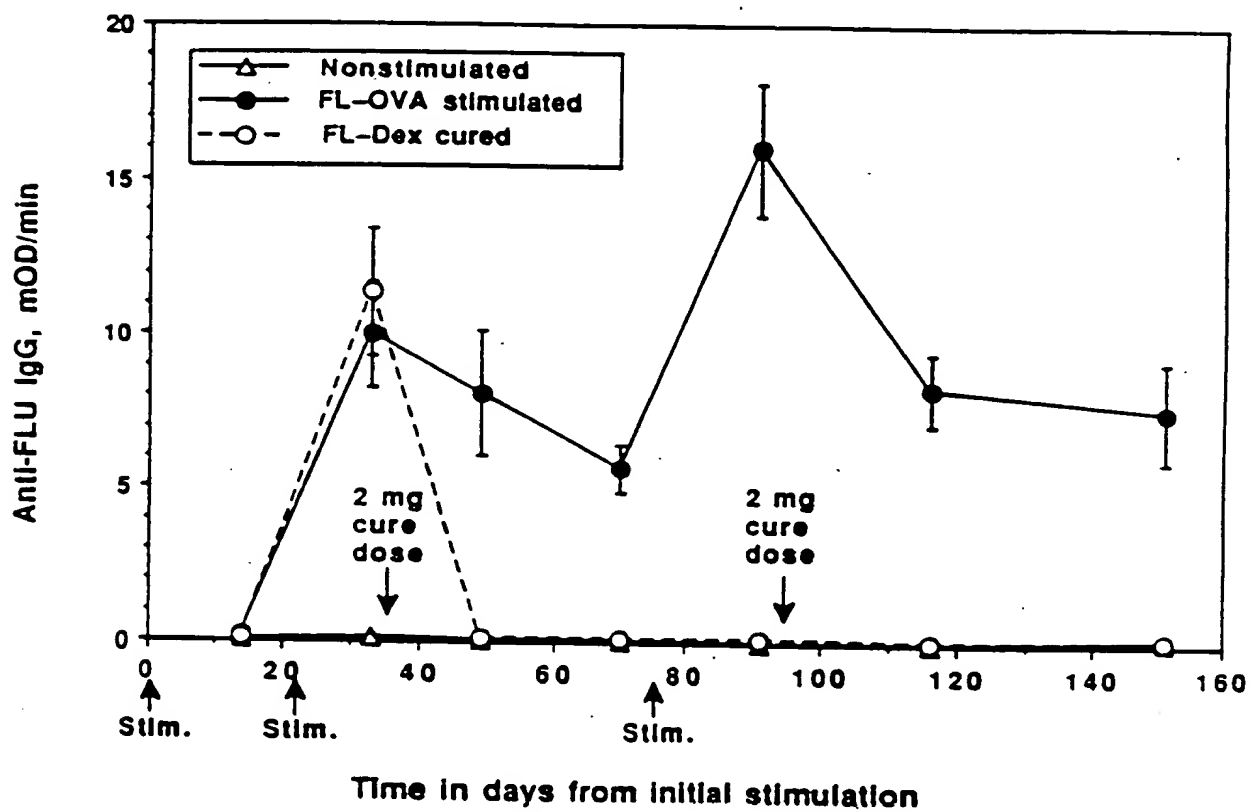


Figure 32

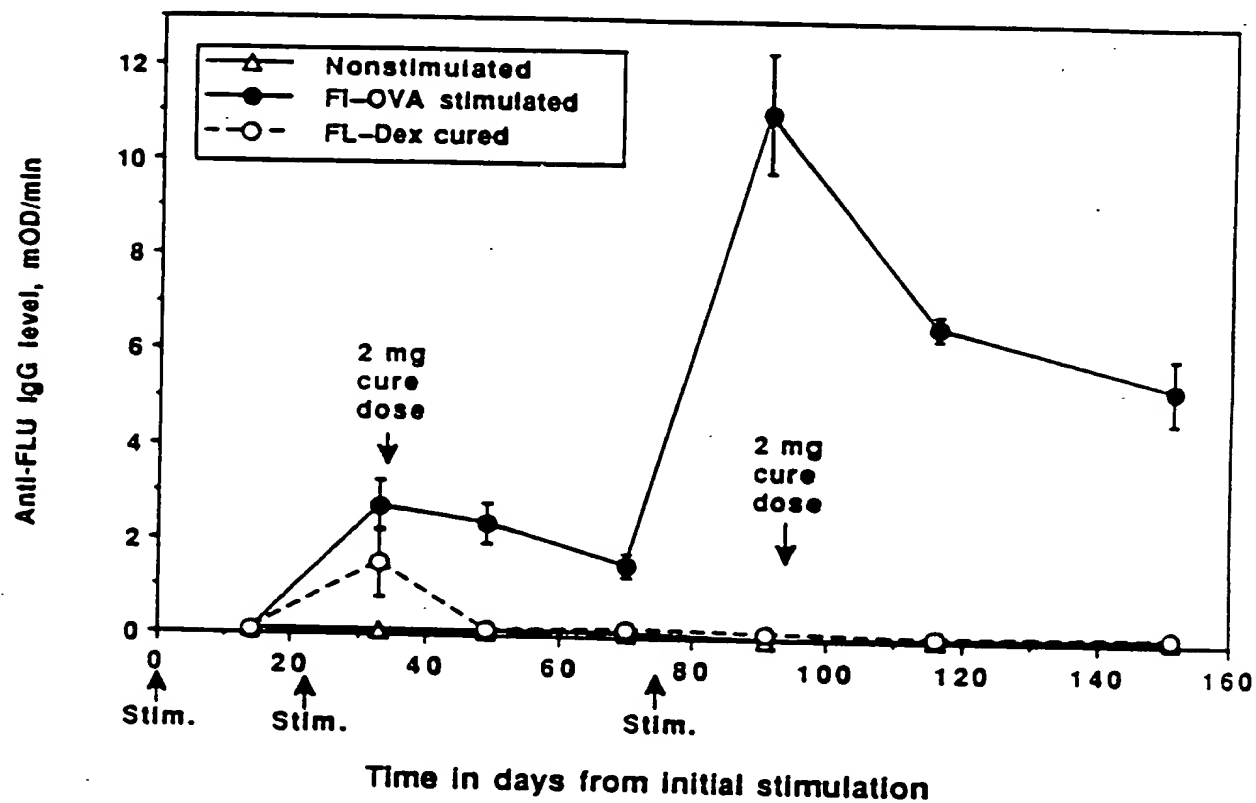


Figure 33

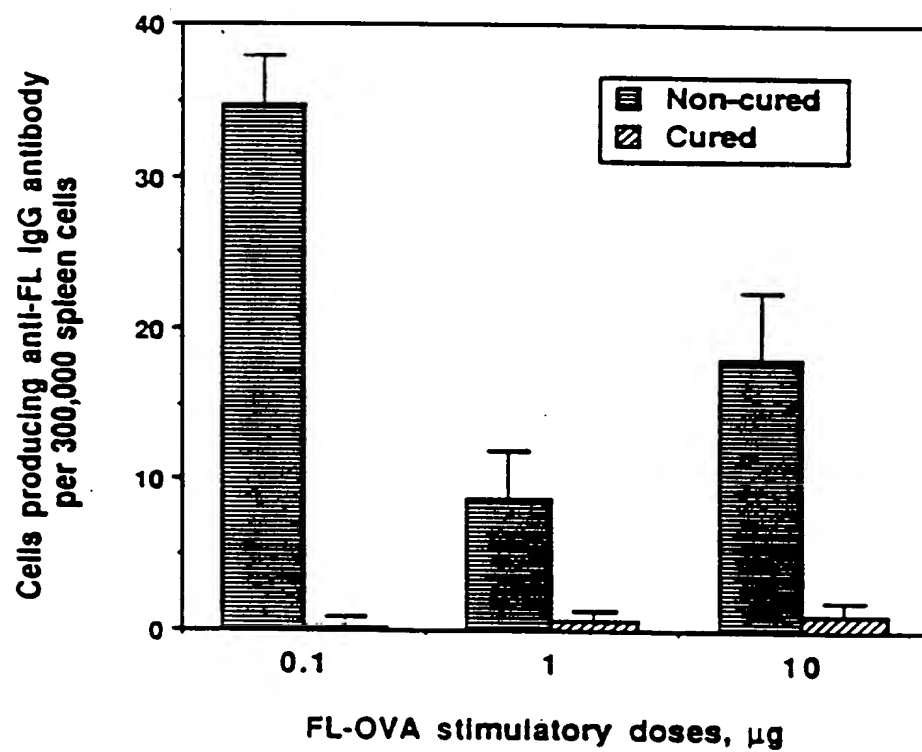


Figure 34

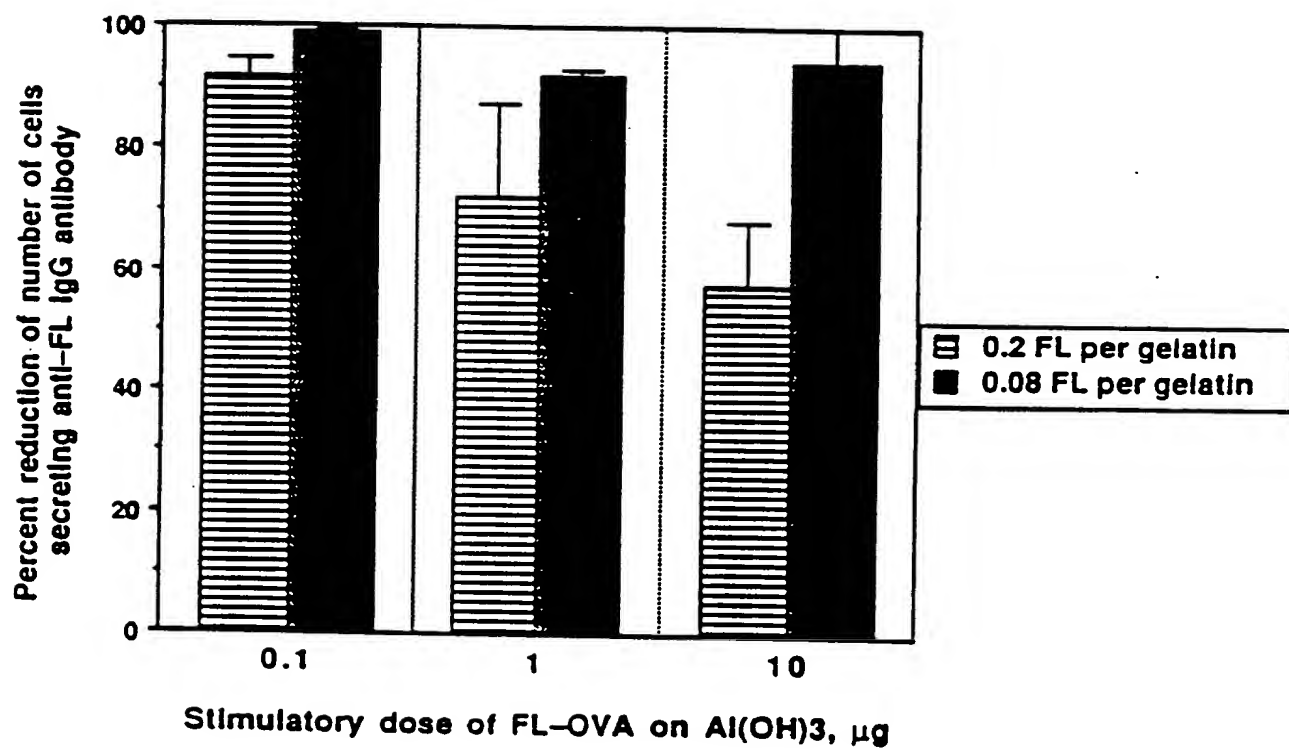


Figure 35

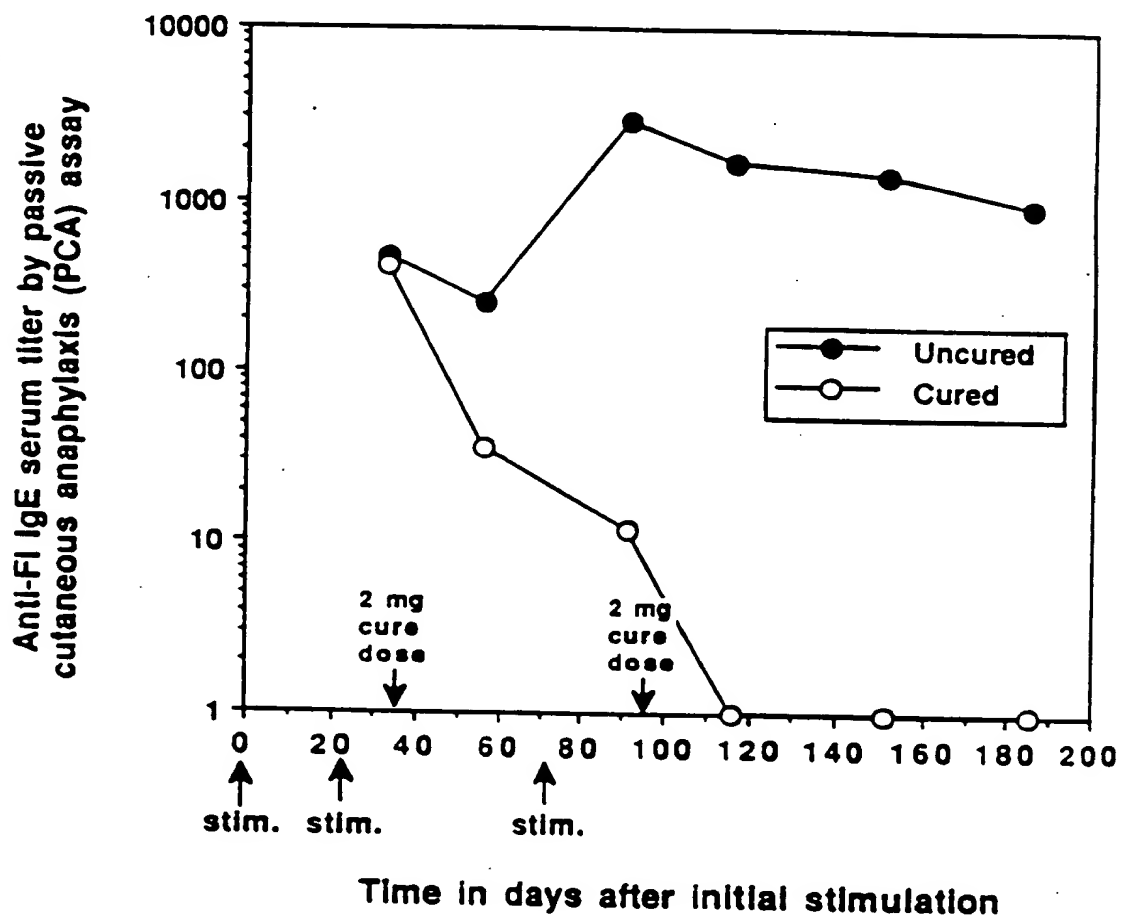
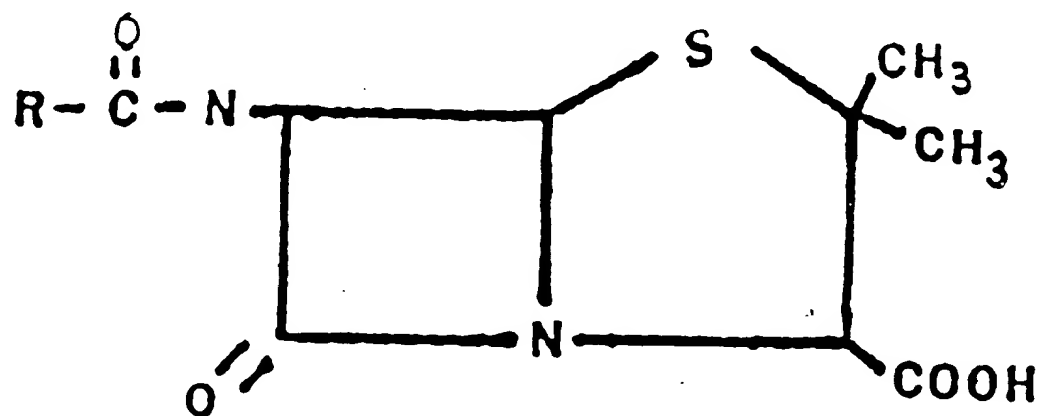
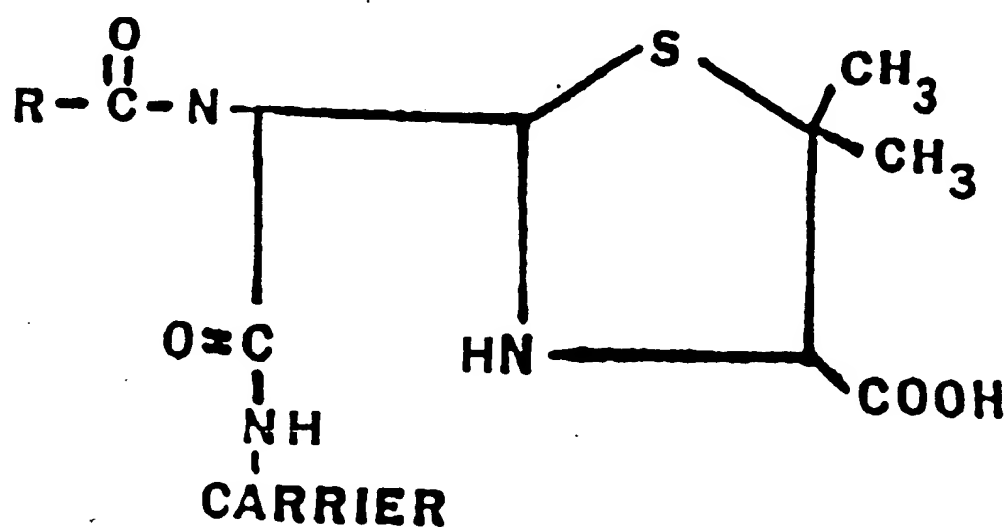


Figure 36

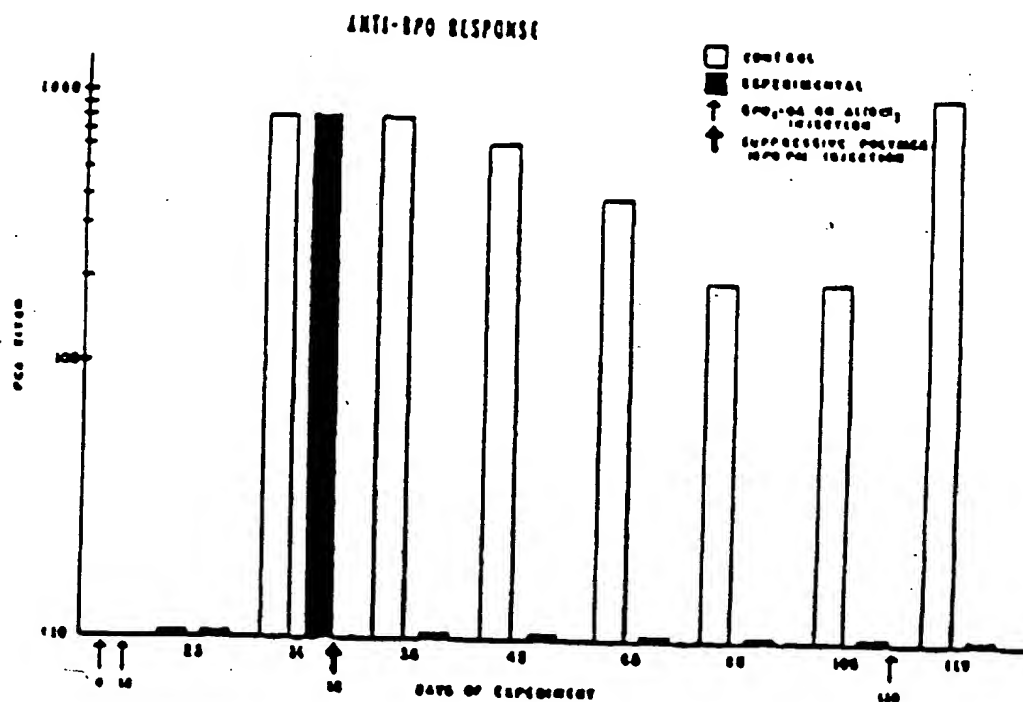


PENICILLIN



PENICILLOYL

(a)



(b)

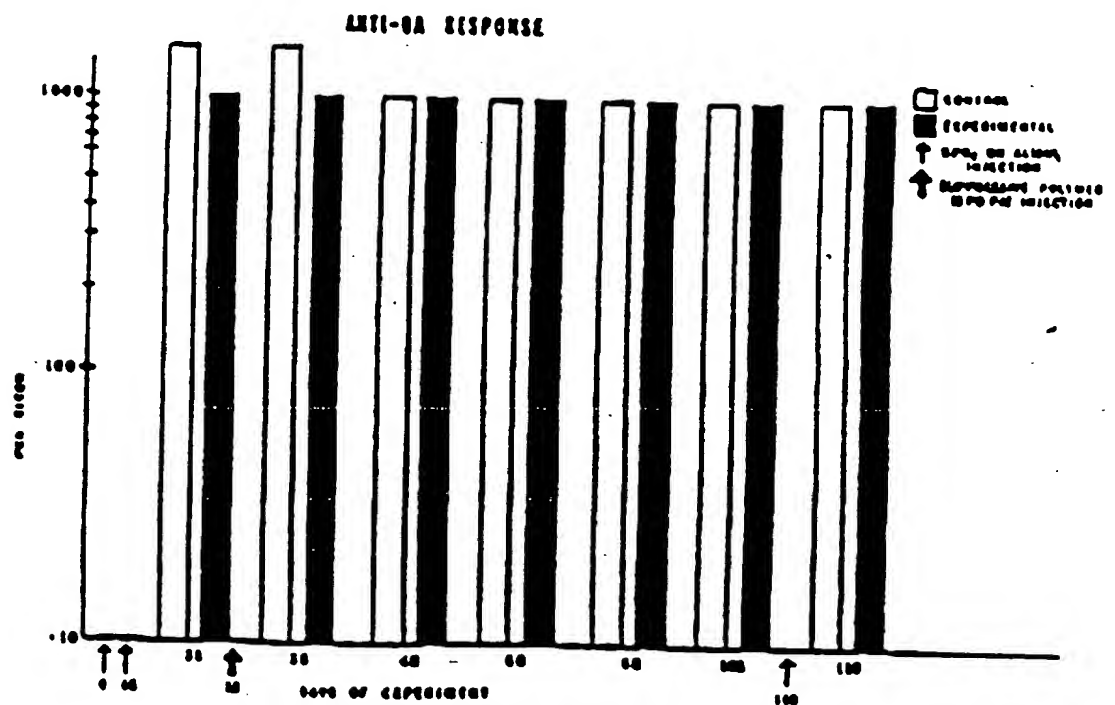
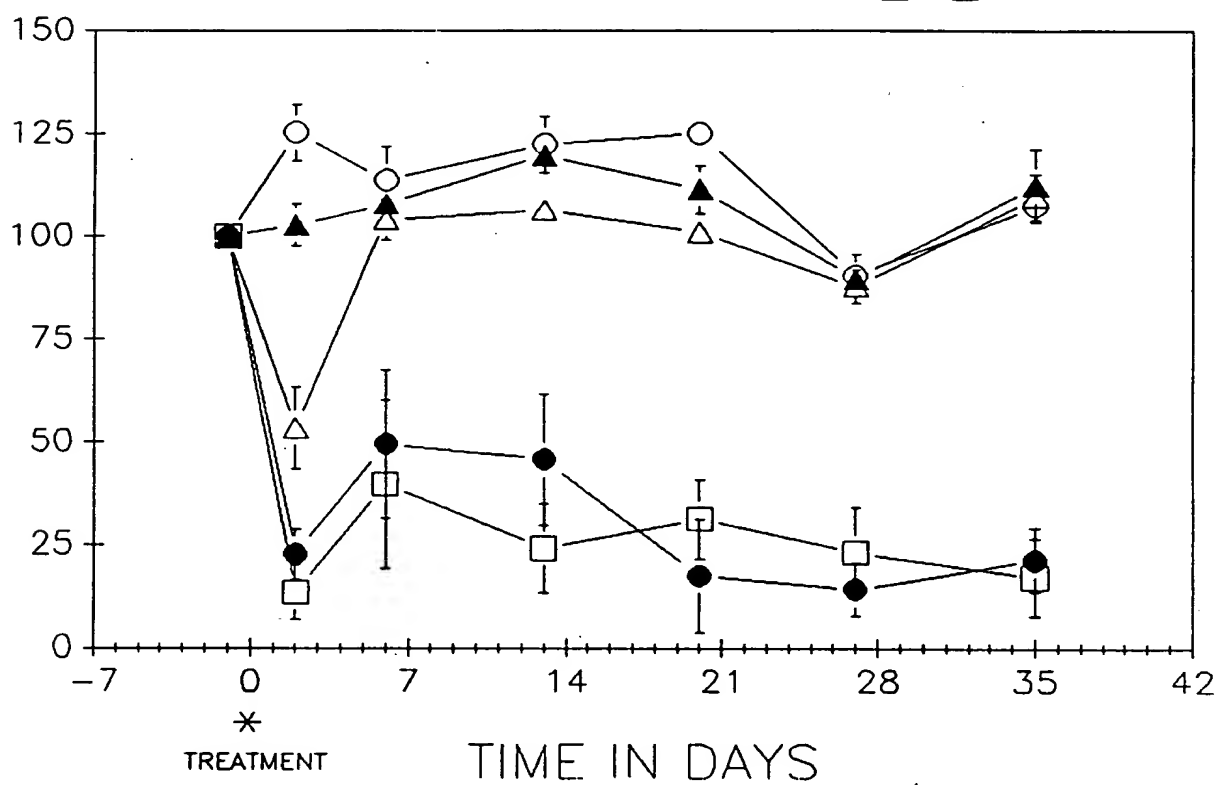


Figure 38

FIG 39

- — ○ NO CURE
- — ● 700ug CI-374
- △ — △ 70ug CI-374
- ▲ — ▲ 7ug CI-374
- — □ 2mg CI-323



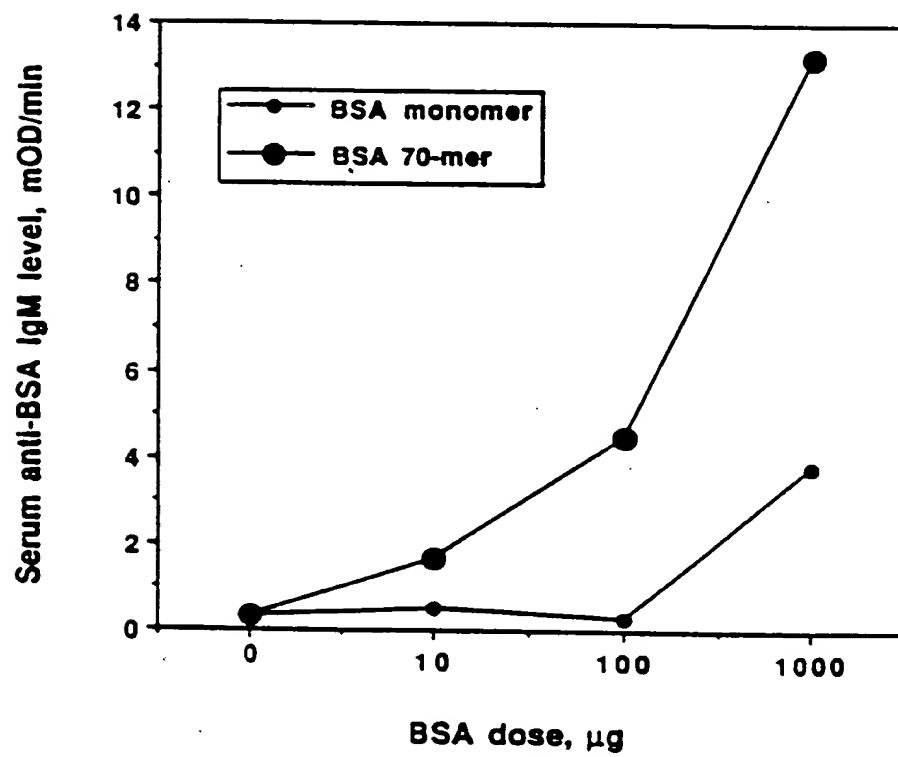


Figure 4C

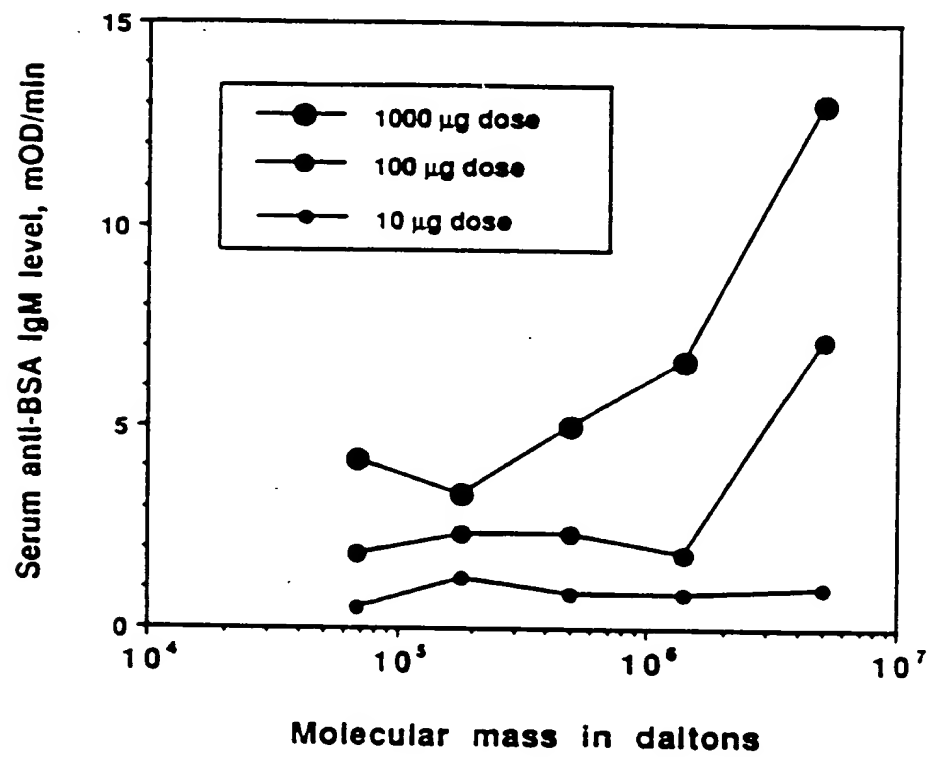


Figure 41

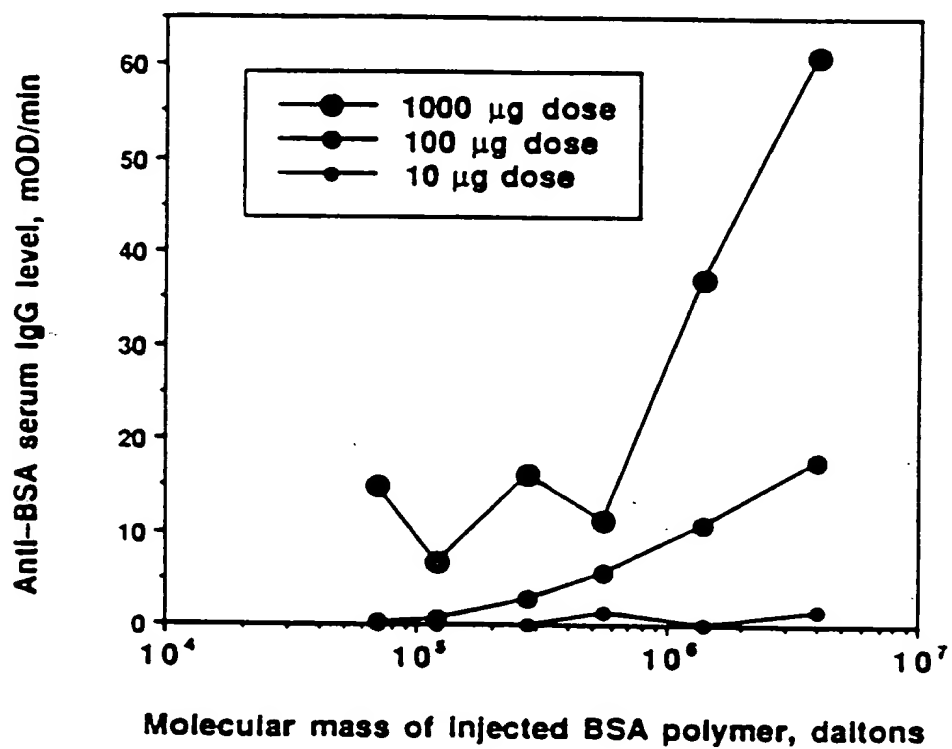


Figure 42

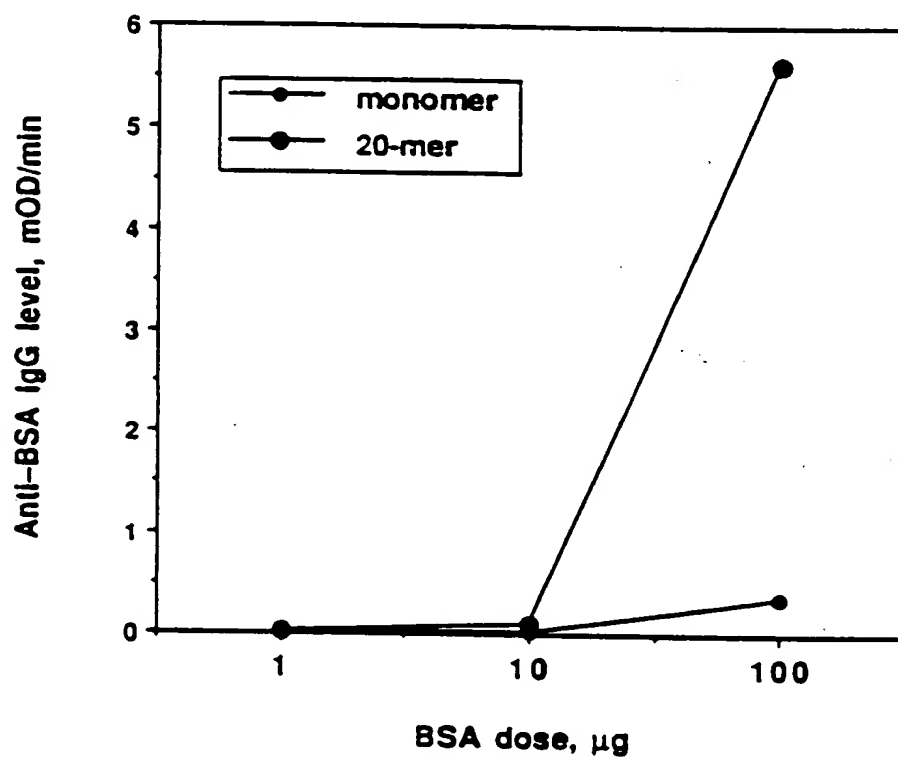


Figure 43

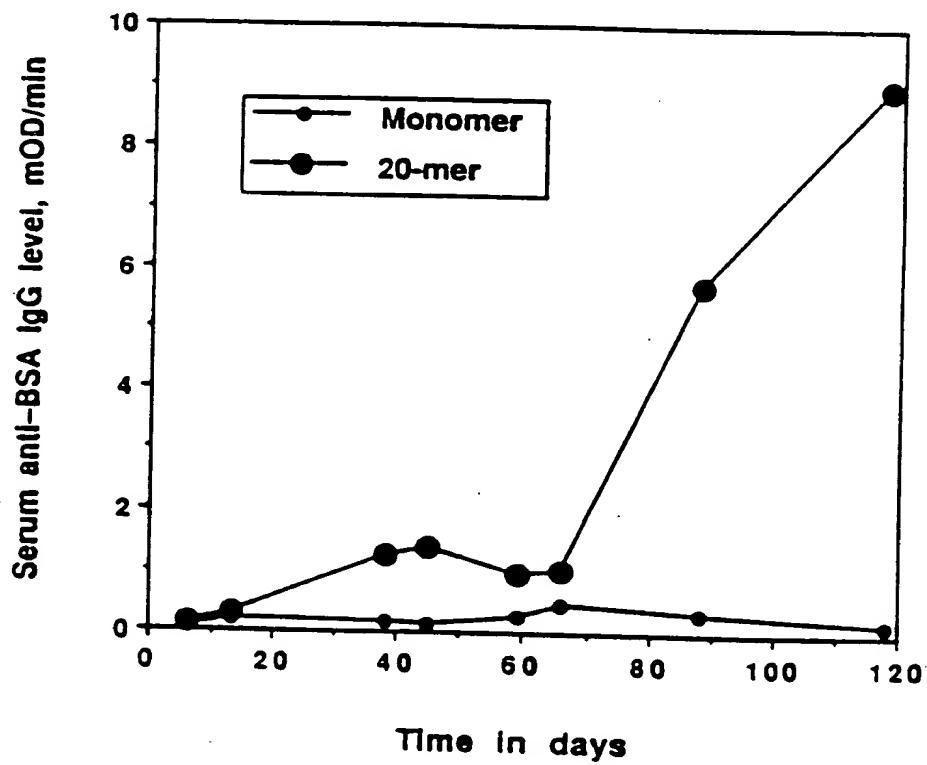


Figure 44

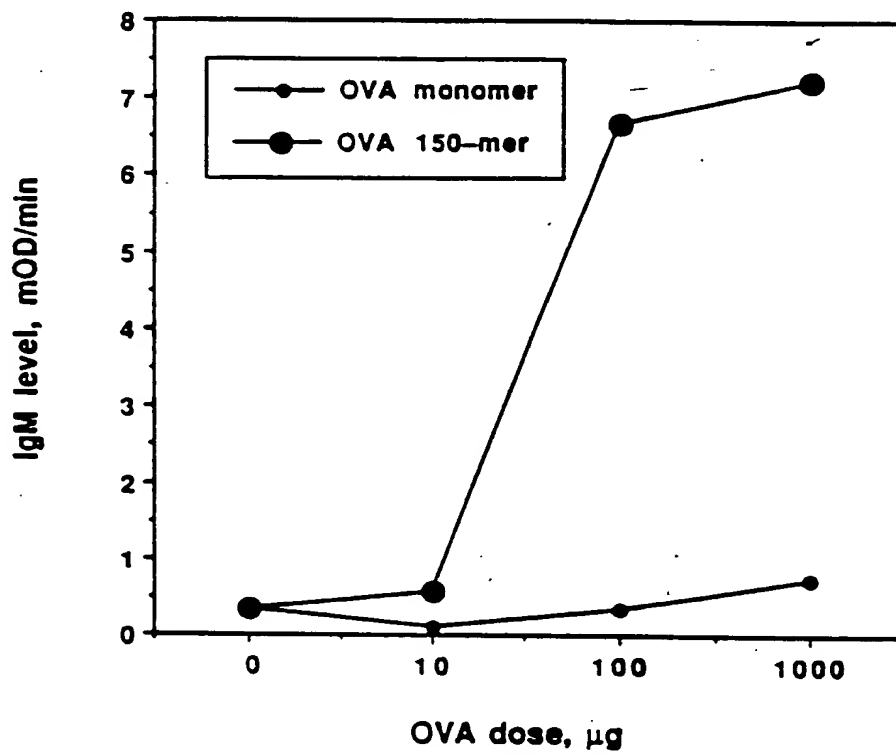


Figure 45

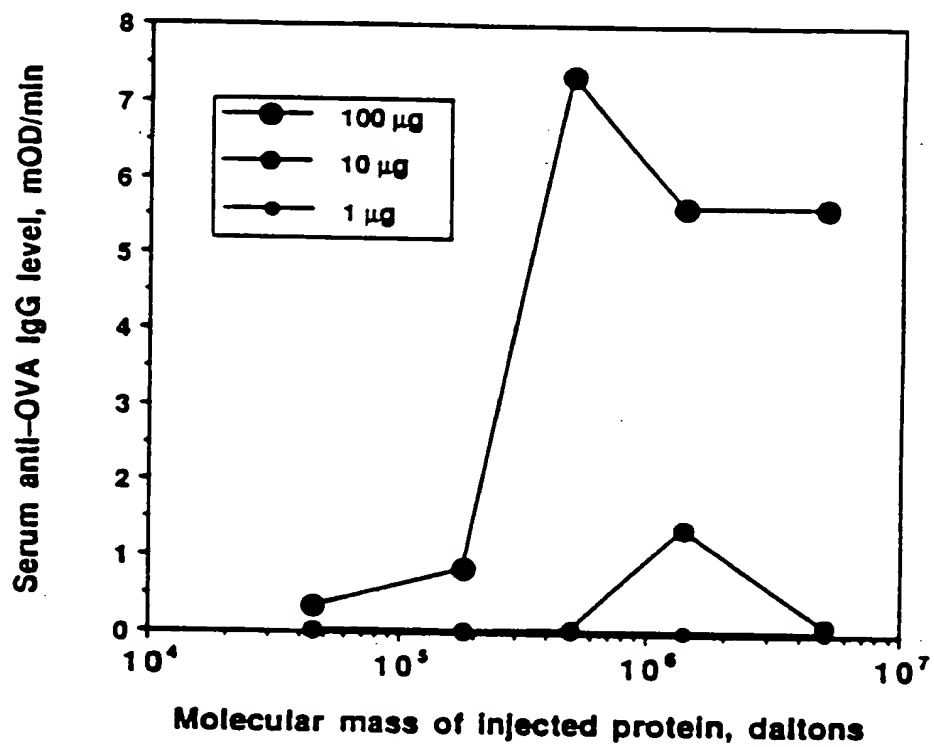


Figure 46

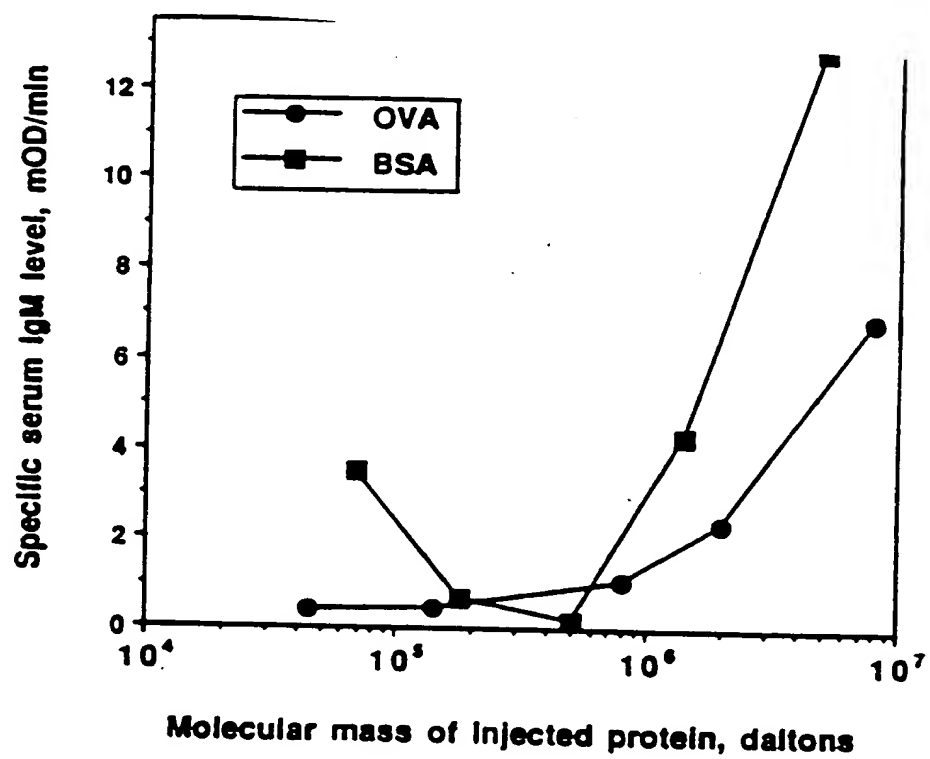


Figure 47

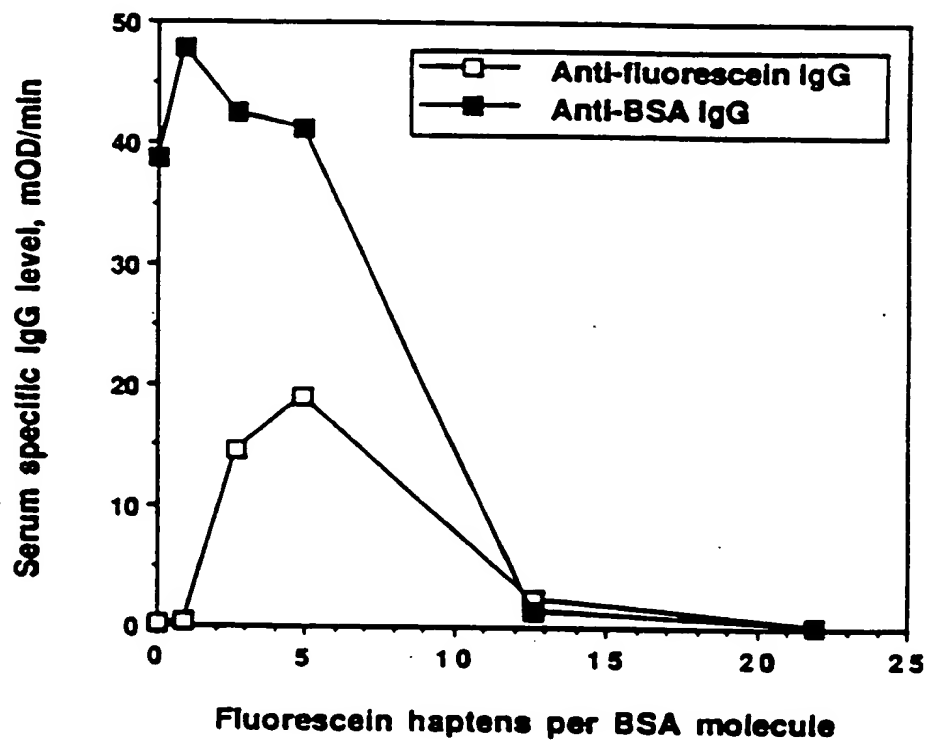


Figure 48

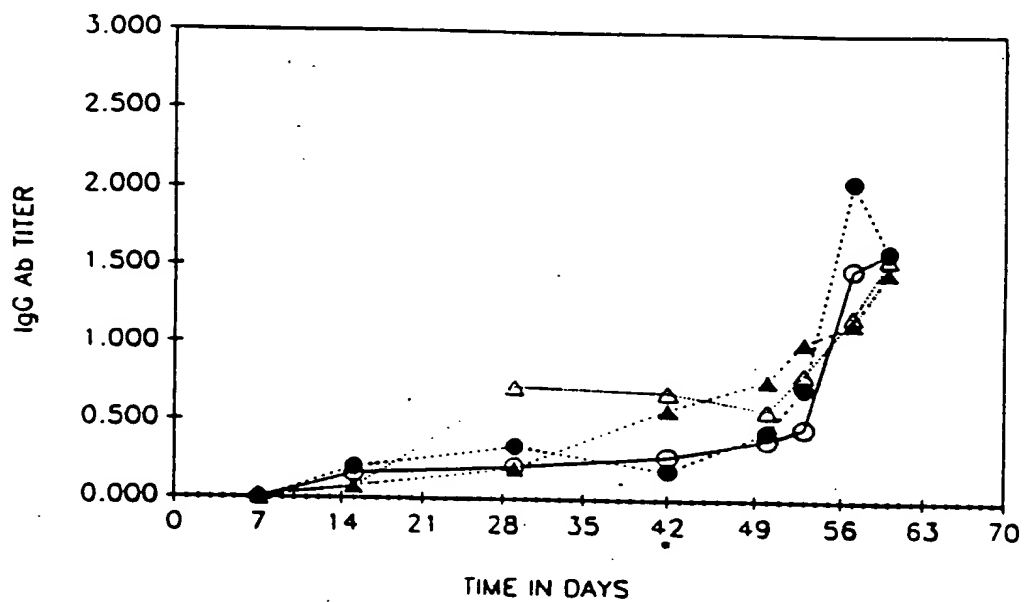


Figure 49

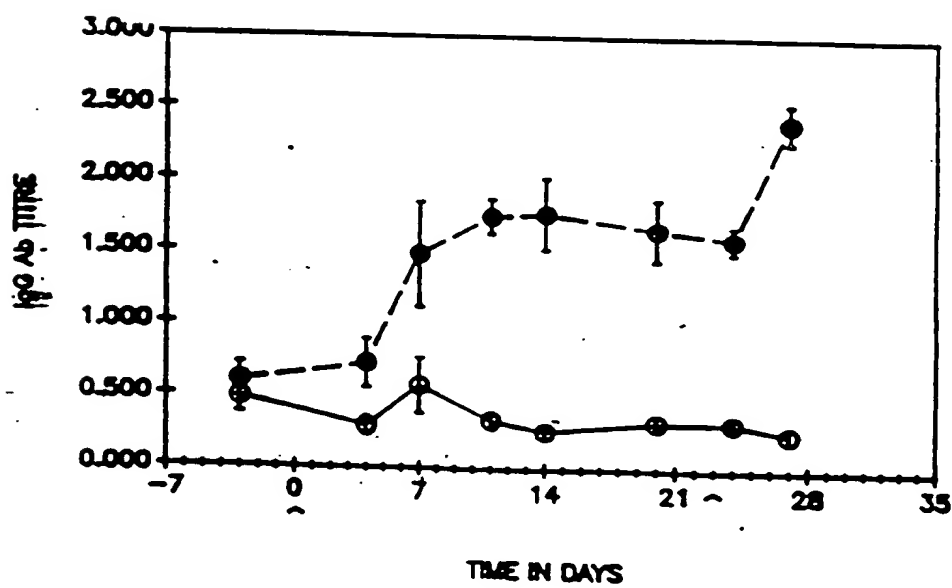


Figure 50

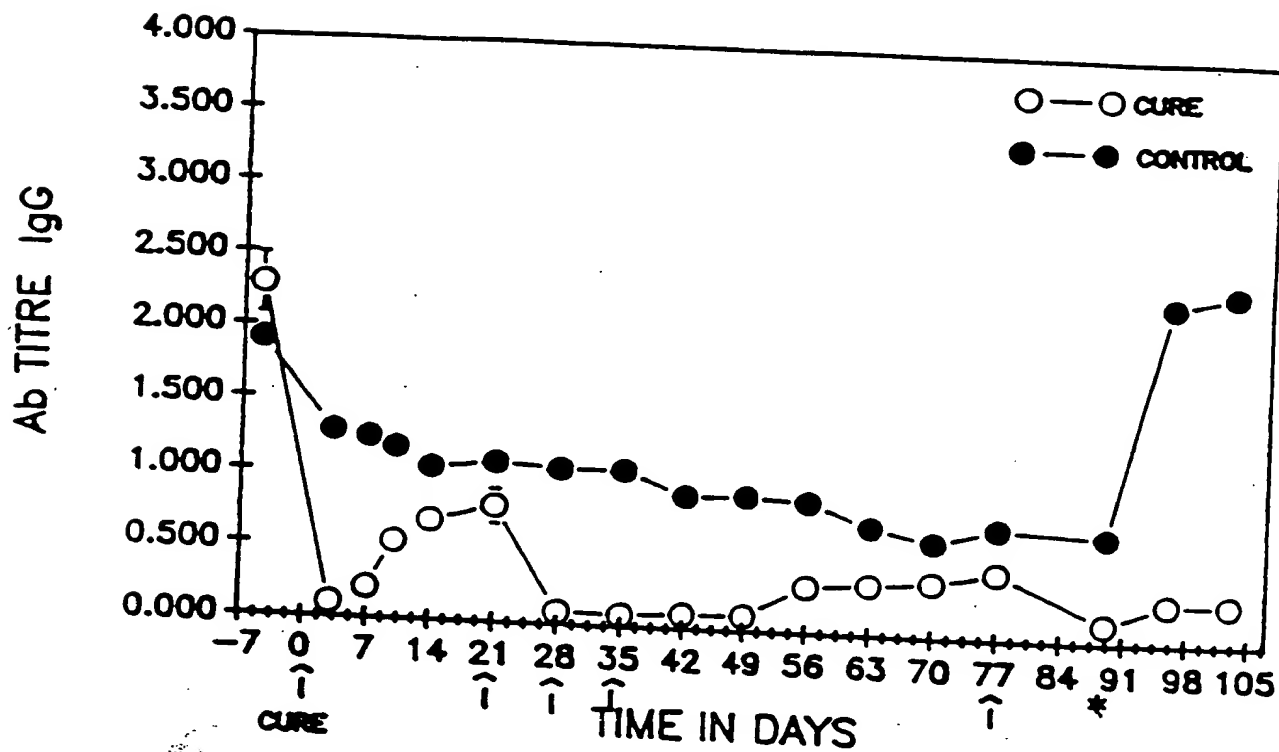


Figure 51

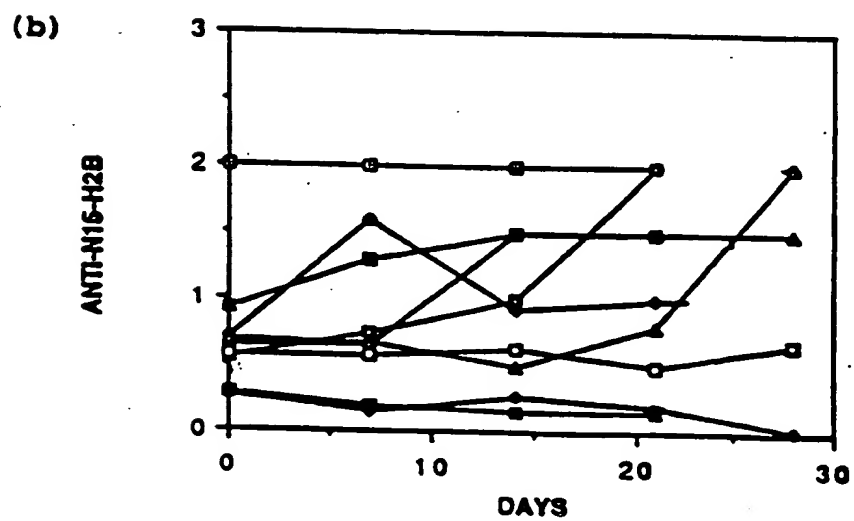
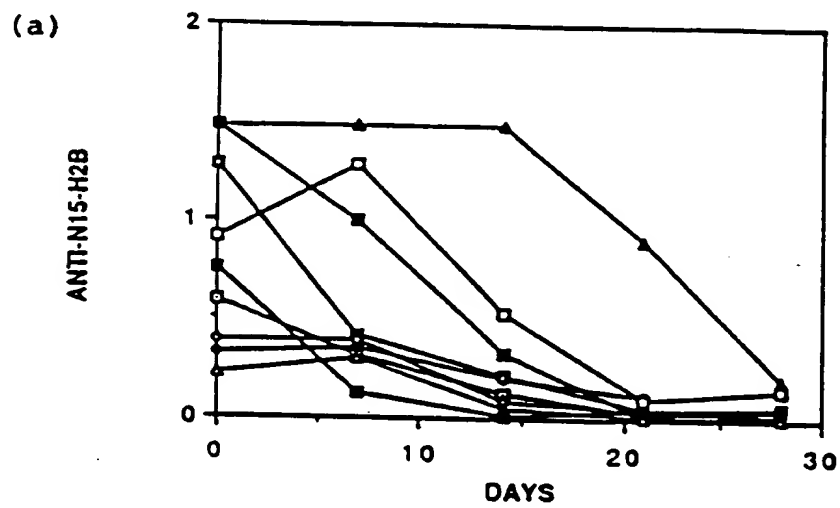


Figure 52

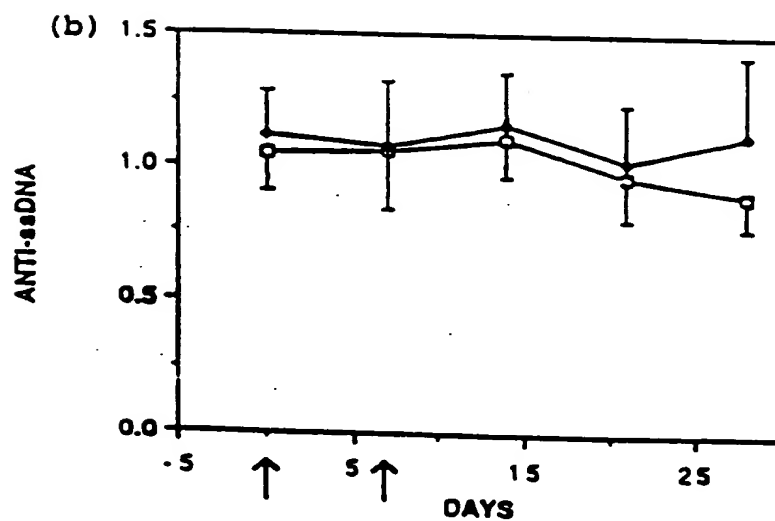
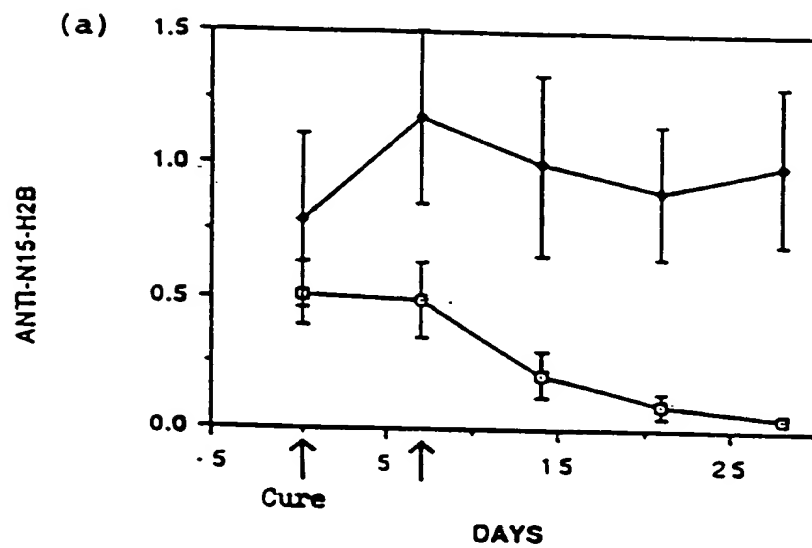


Figure 53

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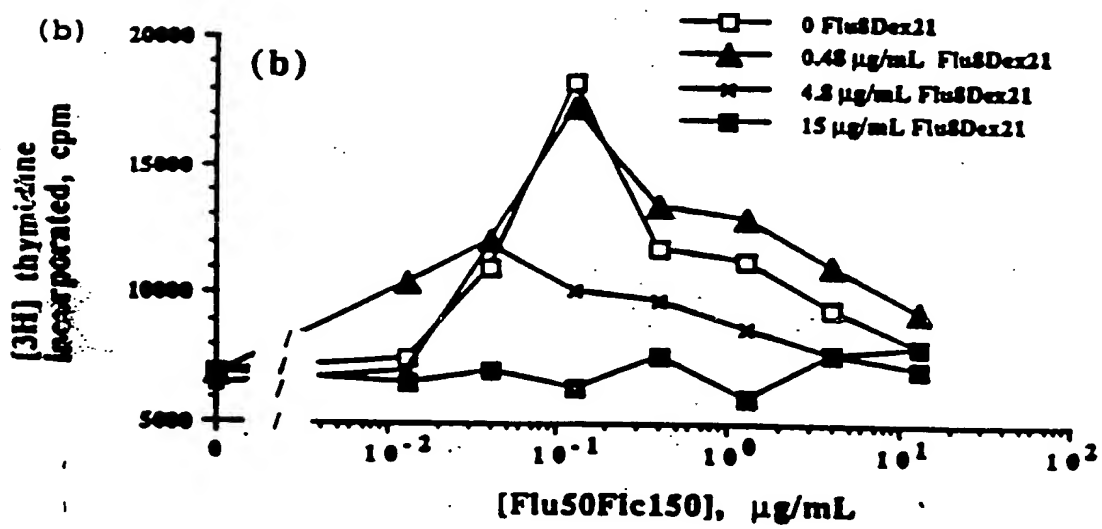
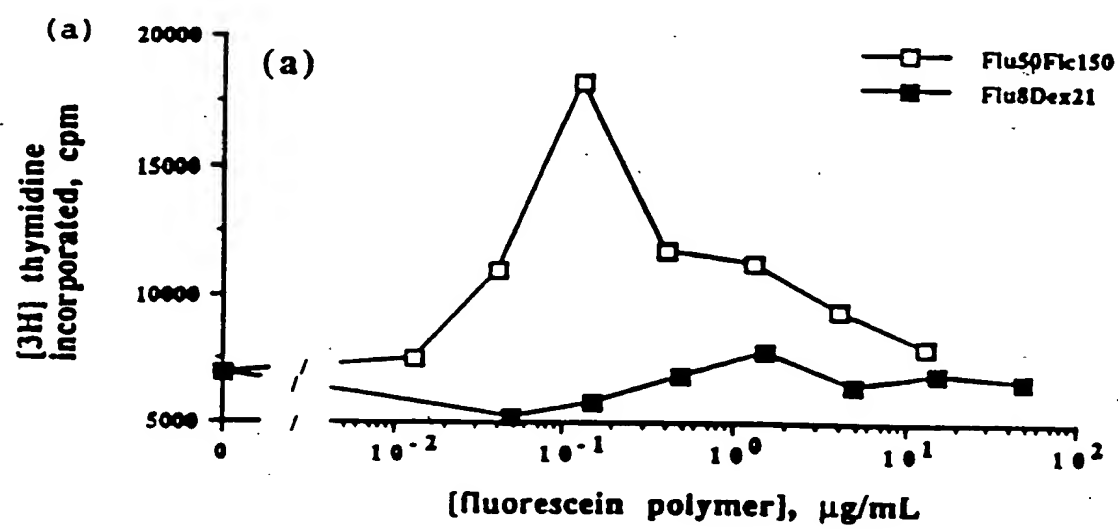


Figure S4

time, sec. (/16)

THE

Figure 55